



LIVE BIRTHS

State Summary

LIVE BIRTHS

INTRODUCTION

Purpose of Surveillance

A **live birth** is a birth that shows any sign of life after delivery, irrespective of the duration of pregnancy. Signs of life include breathing, heartbeat, pulsation of the umbilical cord, definite movement of voluntary muscles, or any other evidence of life, whether or not the umbilical cord has been cut or the placenta is attached. The terms “live birth” and “birth” are used interchangeably in this chapter.

Birth certificates serve as legal records of birth and identification. They also provide surveillance data used to monitor fertility trends, population composition and growth, and patterns in prenatal and postnatal conditions that affect the immediate and future health of newborns and mothers. Information monitored through birth surveillance includes adequacy of prenatal care, obstetric procedures performed, complications during delivery, method of delivery, and infant birthweight. Examination of surveillance data helps identify mothers and infants at high risk of poor outcomes and enables effective targeting of research, educational efforts, and services to reduce this risk.

Source of Data: Certificate of Live Birth

The birth section of this report is based on live births that occurred to Louisiana residents during the 2000 calendar year. The *Certificate of Live Birth* is the source document for this analysis. All original birth certificates are filed with the Vital Records Registry in New Orleans. Birth attendants, usually physicians or licensed midwives, are responsible for recording the required information on birth certificates. Louisiana law requires that the birthing facility or attendant send the original birth record to the Vital Records Registry within fifteen days of the birth and that the identities of persons included in the birth registry are kept confidential.

Unless otherwise noted, all statistics reported here are for births to Louisiana residents, regardless of the state in which the birth occurred. The Vital Statistics Cooperative Program, a nationwide system of information interchange among all states and territories, makes possible the reporting of out-of-state births to Louisiana residents. As a result of the 1991 implementation of Louisiana’s Electronic Birth Certificate (EBC) program, approximately 85% of all births are reported electronically by the hospital where the birth occurred. Matching of infant death certificates with the corresponding birth certificates estimates that birth registration in Louisiana is approximately 97% complete.¹

BIRTH COUNTS AND RATES

Number of Births

In the year 2000, there were 67,843 live births to Louisiana residents, an increase of 809 or 1.2% over the 67,034 resident births reported in 1999 (*Figure B1, Table B1*).

Following fourteen years of declining birth numbers, this was the third consecutive year in which the number of live births increased in the state. The nation as a whole saw an increase of 2.5% in the number of births between 1999 and 2000.²

Crude Birth Rate

Changes in crude birth rates reflect changes in the number and age distribution of women of childbearing age. Because crude birth rates relate the number of live births to the total population in an area, without regard to the age or sex distribution of the population, they are useful in projecting population changes in the area.

Louisiana's 2000 crude birth rate of 15.2 live births per 1,000 population

Figure B1. Number of Live Births and Crude Birth Rates, Louisiana, 1945-2000

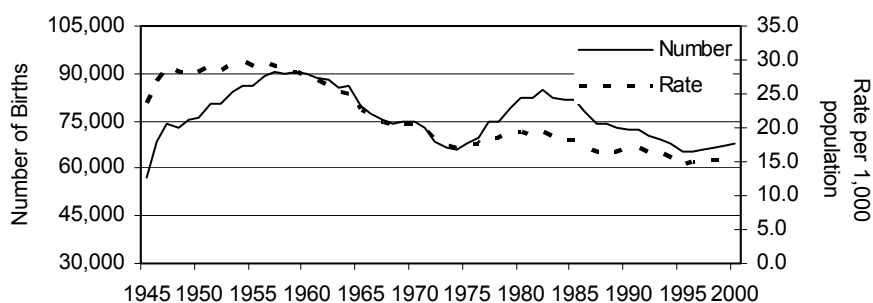
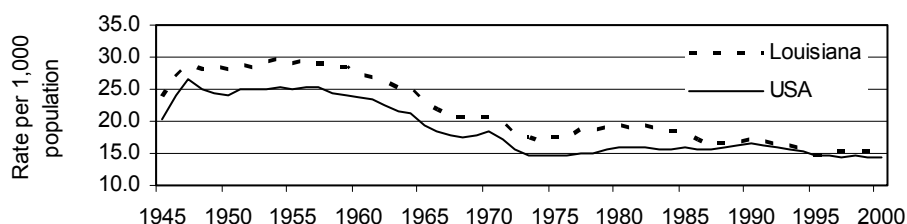


Figure B2. Crude Birth Rates, Louisiana and United States, 1945-2000



Source: Louisiana State Center for Health Statistics
National Center for Health Statistics

is slightly lower than 15.3 live births per 1,000 population in 1999 and is higher than the 2000 national rate of 14.4. Crude birth rates in Louisiana and the United States have declined steadily in the last half-century. The state's crude birth rate has declined

22% since 1980. During this same period, the national birth rate has declined 9.4%³ (*Figure B2, Table B1*).

Table B1.
Number of Live Births, Crude Birth Rates, and Percent Changes,
Louisiana and United States, 1976-2000

Year	Louisiana				United States			
	Number	% change from previous year	Rate ⁺	% change from previous year	Number	% change from previous year	Rate ⁺	% change from previous year
1976	69,678	2.8	17.6	1.1	3,167,788	0.8	14.6	0.0
1977	74,989	7.6	18.7	6.2	3,326,632	5.0	15.1	3.3
1978	74,831	-0.2	18.4	-1.6	3,333,279	0.2	15.0	-0.7
1979	79,183	5.8	19.1	3.8	3,494,398	4.8	15.6	3.8
1980	82,114	3.7	19.5	2.1	3,612,258	3.4	15.9	1.9
1981	82,167	0.1	19.1	-2.1	3,629,238	0.5	15.8	-0.6
1982	84,531	2.9	19.3	1.0	3,680,537	1.4	15.9	0.6
1983	82,416	-2.5	18.6	-3.6	3,638,933	-1.1	15.6	-1.9
1984	81,428	-1.2	18.3	-1.6	3,669,141	0.8	15.6	0.0
1985	81,401	0.0	18.1	-1.1	3,760,561	0.8	15.8	1.3
1986	77,944	-4.2	17.3	-4.4	3,756,547	-0.1	15.6	-1.3
1987	73,952	-5.1	16.6	-4.0	3,809,394	1.4	15.7	0.6
1988	73,887	-0.1	16.7	0.6	3,909,510	2.6	16.0	1.9
1989	72,639	-1.7	16.6	-0.6	4,040,958	3.4	16.4	2.4
1990	72,121	-0.7	17.1	3.0	4,158,212	2.9	16.7	1.8
1991	72,080	-0.1	17.0	-0.6	4,110,907	-1.1	16.3	-2.5
1992	70,502	-2.2	16.4	-3.5	4,065,014	-1.1	15.9	-2.5
1993	69,328	-1.7	16.1	-1.8	4,000,240	-1.6	15.5	-2.6
1994	67,802	-2.2	15.7	-2.5	3,952,767	-1.2	15.2	-2.0
1995	65,574	-3.3	14.7	-6.4	3,899,589	-1.3	14.8	-2.7
1996	65,186	-0.6	15.0	2.0	3,891,494	-0.2	14.7	-0.7
1997	65,947	1.2	15.2	1.3	3,880,894	-0.3	14.5	-1.4
1998	66,773	1.3	15.3	0.7	3,941,553	1.6	14.6	0.7
1999	67,034	0.4	15.3	0.0	3,959,417	0.5	14.5	-0.7
2000	67,843	1.21	15.2	-0.7	4,058,814	2.5	14.4	-0.7

⁺Rate per 1,000 population

Source: Louisiana State Center for Health Statistics,
National Center for Health Statistics

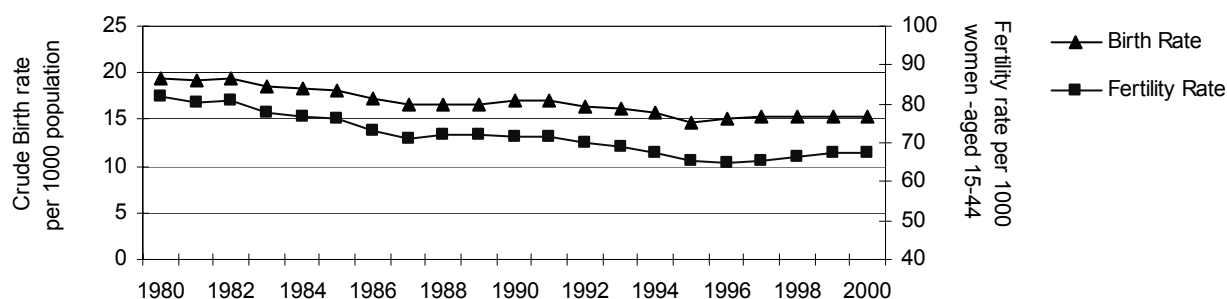
Fertility Rates

Fertility rates are based solely on women in their prime childbearing years, considered for calculation purposes to be 15-44 years of age. They are more useful than crude birth rates in controlling for differences in age-distribution among women who give birth. These rates are useful for

comparisons of fertility among age, racial, and socioeconomic groups. In the last half-century, Louisiana and the United States have followed a similar fertility pattern, with a trend toward declining fertility rates. Historically however, Louisiana has had a higher fertility rate than the national rate. Louisiana's 2000 fertility rate of 67.4 births per 1,000 women, decreased from 1999's rate

of 67.6 per 1,000 women. The United States' 2000 rate was more or less the same at 65.9 births per 1,000 women aged 15-44 years.⁴ Following a peak in 1980 of 81.8, Louisiana's fertility rate declined steadily to 64.9 in 1996. Since 1996 the state's fertility rate has leveled-off (*Figure B3, Table B2, on following page*).

**Figure B3. Crude Birth Rates and Fertility Rates
Louisiana, 1980-2000**



**Table B2.
Crude Birth Rates, Fertility Rates, and Age-Specific Birth Rates
Louisiana, 1980-2000**

Year	Crude Birth Rate ¹	Fertility Rate ¹	Age-Specific Birth Rate ³ by Maternal Age Group								
			<15 ²	15-19	Under 20	20-24	25-29	30-34	35-39	40-44	45-49 ⁴
1980	19.5	81.8	2.0	76.0	41.8	138.7	121.9	63.4	21.4	5.4	0.4
1981	19.1	80.2	2.0	73.9	40.3	135.8	121.6	60.8	22.2	4.8	0.3
1982	19.3	80.7	2.0	75.6	40.9	138.9	120.5	63.7	21.5	5.0	0.3
1983	18.6	77.6	2.0	74.1	39.9	132.9	115.9	63.6	21.9	4.3	0.2
1984	18.3	76.5	2.4	71.6	38.6	130.8	116.5	64.9	22.3	4.2	0.3
1985	18.1	76.4	2.2	72.4	38.8	131.3	117.2	66.2	23.0	4.0	0.2
1986	17.3	73.3	2.4	68.0	36.8	128.7	114.3	64.1	23.0	4.0	0.2
1987	16.6	70.8	2.2	66.7	35.8	126.4	111.3	63.9	22.6	4.2	0.2
1988	16.7	72.2	2.2	68.4	36.2	129.8	116.0	65.8	23.8	4.4	0.2
1989	16.6	71.9	2.4	70.9	36.9	130.9	115.9	66.6	23.9	4.4	0.2
1990	17.1	71.6	2.4	74.7	38.5	132.7	114.7	66.0	25.6	4.1	0.2
1991	17.0	71.6	2.6	75.9	38.3	133.1	117.0	66.4	25.7	4.3	0.2
1992	16.4	70.1	2.3	75.9	38.0	129.7	114.6	66.9	24.8	4.2	0.2
1993	16.1	69.0	2.4	75.8	38.2	127.0	112.1	68.3	25.0	4.6	0.2
1994	15.7	67.6	2.3	74.4	37.8	122.4	110.1	69.9	25.6	4.9	0.1
1995	14.7	65.4	2.0	70.0	36.0	117.8	108.4	69.8	26.0	4.7	0.2
1996	15.0	64.9	2.2	67.0	35.4	118.2	107.2	71.3	26.7	5.1	0.2
1997	15.2	65.6	1.8	66.1	35.4	120.7	110.0	73.2	27.0	5.0	0.3
1998	15.3	66.6	1.9	65.2	35.4	124.4	111.2	74.3	28.6	4.7	0.2
1999	15.3	67.6	1.6	62.6	33.9	126.0	114.4	77.7	29.5	5.2	0.2
2000	15.2	67.4	1.6	62.0	32.8	132.5	111.3	75.4	28.6	5.2	0.2

¹Rate per 1,000 population

¹Rate per 1,000 women aged 15-44

²Numerator = all live births to mothers under 15 years of age; denominator = female population 10-14 years of age.

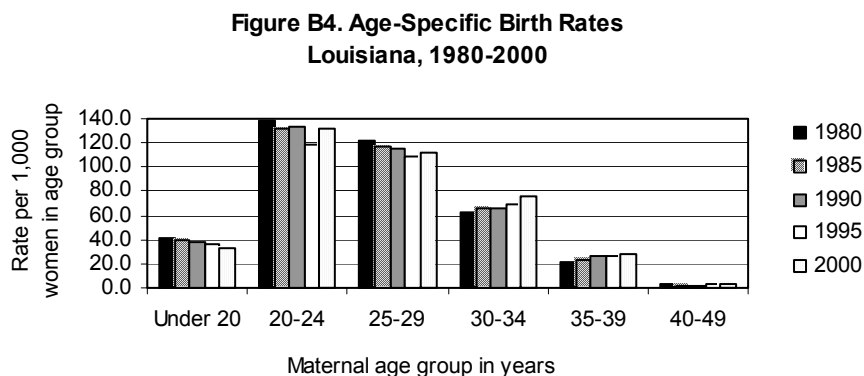
³Rate per 1,000 women in age group

⁴Numerator = all live births to mothers 45 and older; denominator = female population 45-49 years of age.

MATERNAL PROFILE

Age of Mother

Louisiana's youngest and oldest mothers were 10 and 58 years old respectively, when they gave birth in 2000. Overall birth and fertility rates have declined since the 1980s, driven by a decrease in birth rates among women under 30 years. Increases in birth rates among women aged 30-39 suggest a shift toward more women giving birth



in the latter part of their childbearing years (Figure B4, Table B2, and Table B3). National fertility trends are similar to Louisiana trends for the past decade.

**Table B3.
First Birth Rates⁺ by Maternal Age
Louisiana and United States, 1990-2000**

Year	Maternal Age Group							15-44	15-44
	Under 15 ¹	15-19	20-24	25-29	30-34	35-39	40-44	Louisiana	United States
1990	2.3	54.6	56.9	36.6	14.3	3.9	0.5	27.8	29.0
1991	2.5	55.4	56.6	35.7	13.2	3.7	0.5	27.4	28.3
1992	2.2	55.0	55.0	35.4	13.5	3.9	0.5	27.1	27.8
1993	2.3	56.0	55.3	34.8	14.2	4.0	0.6	27.2	27.5
1994	2.3	55.0	54.6	35.3	15.1	4.2	0.7	27.2	27.5
1995	1.9	53.3	52.6	36.6	15.8	4.4	0.7	27.0	27.3
1996	2.1	50.8	52.0	36.9	16.9	4.4	0.8	26.7	26.8
1997	1.8	50.4	51.5	36.8	17.2	4.9	0.8	26.7	26.5
1998	1.8	50.0	51.9	35.8	17.5	5.3	0.7	26.8	26.4
1999	1.6	47.7	52.2	37.5	18.4	5.3	0.9	27.0	26.6
2000	1.6	47.4	54.4	34.8	18.1	5.4	0.9	26.5	26.5

⁺First birth per 1,000 women in specified age group

¹Numerator = all live births to mothers under 15 years of age; denominator = female population 10-14 years of age.

Source: Louisiana State Center for Health Statistics
National Center for Health Statistics

Birth Order

The **first-birth rate** measures the number of first births to mothers in a particular age group. The rate is calculated by dividing the number of first births to mothers in a particular age group by the total female population in that age group, then multiplying the quotient by 1,000. It is expressed as the number of first births per 1,000

women in that age group. First-birth rates are helpful in assessing changes over time in the age at which women begin bearing children.

Since 1990, Louisiana's first-birth rate has dropped 4.7%, from 27.8 to 26.5 first births per 1,000 women aged 15-44. During the same time period, the United States' rate dropped 8.6%,

from 29.0 to 26.5 in 2000. Since 1991, changes in first-birth rate trends by the age of the mother have become apparent. Rates for teenage women 15-19 have dropped steadily, while rates for women 30-39 have risen steadily (*Table B3, on previous page*).

Counts of 2000 live births by birth order are given in *Table B4*.

Table B4. Number of Live Births by Birth Order, Age and Race of Mother, Louisiana, 2000

Birth Order	Race	Total Live Births	Maternal Age Group									Percent of Live Births	Mean Age of Mother	Median Age of Mother
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over	Unk.			
ALL	ALL ***	67843	276	11255	21777	16786	11730	5049	918	34	18	100.0	25.5	24.2
	WHITE	37946	44	4555	10692	10611	8108	3335	569	21	11	55.9	26.6	25.8
	BLACK	28335	228	6544	10745	5728	3233	1529	310	11	7	41.8	24.0	22.2
1	ALL ***	27002	271	8605	8950	5245	2811	945	161	7	7	39.8	23.0	21.6
	WHITE	16036	43	3731	5286	3995	2158	694	120	****	5	23.6	24.2	22.9
	BLACK	10309	224	4754	3481	1056	544	210	35	****	****	15.2	20.9	19.6
2	ALL ***	21841	****	2206	7581	5952	4289	1578	222	7	****	32.2	26.1	25.0
	WHITE	12914	****	718	3750	4000	3208	1089	141	7	0	19.0	27.2	26.8
	BLACK	8426	****	1455	3722	1814	939	420	71	0	****	12.4	24.3	22.7
3	ALL ***	11654	0	389	3585	3411	2806	1257	190	12	****	17.2	27.7	26.8
	WHITE	6202	0	99	1317	1889	1908	850	129	6	****	9.1	29.0	28.7
	BLACK	5209	0	287	2235	1448	815	366	53	5	0	7.7	25.9	24.6
4	ALL ***	4332	0	46	1173	1306	1002	664	139	****	0	6.4	28.7	27.8
	WHITE	1895	0	****	268	535	558	443	87	****	0	2.8	30.7	30.6
	BLACK	2342	0	44	895	745	408	200	50	0	0	3.5	27.0	25.7
5	ALL ***	1644	0	****	368	516	404	271	80	****	0	2.4	29.6	28.7
	WHITE	530	0	****	56	123	168	140	41	****	0	0.8	31.9	31.8
	BLACK	1075	0	****	309	382	222	124	35	****	0	1.6	28.3	26.8
6	ALL ***	681	****	0	84	225	185	136	48	****	0	1.0	30.9	29.9
	WHITE	163	0	0	5	44	47	47	20	0	0	0.2	33.0	32.8
	BLACK	502	****	0	78	177	133	87	24	****	0	0.7	30.1	28.9
7	ALL ***	296	0	0	17	78	100	74	27	0	0	0.4	32.3	31.9
	WHITE	70	0	0	****	8	21	31	9	0	0	0.1	34.9	34.8
	BLACK	222	0	0	15	70	79	43	15	0	0	0.3	31.5	30.8
8	ALL ***	152	0	0	7	27	56	51	11	0	0	0.2	33.1	32.7
	WHITE	30	0	0	****	****	10	13	****	0	0	0.0	34.4	34.6
	BLACK	118	0	0	5	25	46	35	7	0	0	0.2	32.6	31.9

Table B4 continues on the next page.

Table B4 (continued).
Number of Live Births by Birth Order and Age and Race of Mother
Louisiana, 2000

Birth Order	Race	Total Live Births	Maternal Age Group									Percent of Live Births	Mean Age of Mother	Median Age of Mother
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over	Unk.			
9	ALL ⁺⁺⁺	63	0	0	0	8	19	25	11	0	0	0.1	35.2	34.9
	WHITE	17	0	0	0	****	****	7	****	0	0	0.0	35.8	36.5
	BLACK	45	0	0	0	5	16	17	7	0	0	0.1	35.0	34.7
10	ALL ⁺⁺⁺	35	0	0	0	****	13	16	5	0	0	0.1	35.7	35.5
	WHITE	****	0	0	0	0	0	****	****	0	0	0.0	39.5	38.0
	BLACK	32	0	0	0	****	13	15	****	0	0	0.0	35.2	34.8
11	ALL ⁺⁺⁺	22	0	****	0	****	9	5	5	0	0	0.0	34.3	33.8
	WHITE	****	0	****	0	0	0	0	****	0	0	0.0	29.5	18
	BLACK	20	0	0	0	****	9	5	****	0	0	0.0	34.8	33.0
12	ALL ⁺⁺⁺	****	0	0	0	0	****	****	****	0	0	0.0	37.5	35.0
	WHITE	****	0	0	0	0	****	0	****	0	0	0.0	37.0	33.0
	BLACK	****	0	0	0	0	0	****	****	0	0	0.0	38.0	35.0
13	ALL ⁺⁺⁺	****	0	0	0	0	****	****	****	0	0	0.0	36.8	36.0
	WHITE	-	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
	BLACK	****	0	0	0	0	****	****	****	0	0	0.0	36.8	36.0
14	ALL ⁺⁺⁺	****	0	0	0	0	0	0	****	0	0	0.0	43.0	43.0
	WHITE	-	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
	BLACK	****	0	0	0	0	0	0	****	0	0	0.0	43.0	43.0
15	ALL ⁺⁺⁺	****	0	0	0	0	0	0	****	0	0	0.0	41.0	41.0
	WHITE	-	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
	BLACK	****	0	0	0	0	0	0	****	0	0	0.0	41.0	41.0
16	ALL ⁺⁺⁺	****	0	0	0	****	0	0	0	0	0	0.0	27.0	27.0
	WHITE	-	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
	BLACK	****	0	0	0	****	0	0	0	0	0	0.0	27.0	27.0
UNK	ALL ⁺⁺⁺	110	0	5	12	14	34	24	14	****	5	0.2	32.5	32.8
	WHITE	83	0	****	7	12	26	20	12	****	****	0.1	32.9	33.4
	BLACK	26	0	****	5	****	8	****	****	0	****	0.0	30.3	30.8

⁺⁺⁺"All races" contains white, black and other.

**** in cell indicates count is less than 5 and greater than 0

Race of Mother

Of the 67,843 births to Louisiana residents, 37,946 (55.9%) were to white mothers, 28,335 (41.8%) to black mothers, and 1,562 (2.3%) to mothers of other races (*Table B5*).

Age-specific birth rates for all race groups peaked in the mothers' twenties (*Figure B5, Table B6*).

Black women aged 15 through 44

years had a higher fertility rate (80.1 births per 1,000 women) than white women (61.7 per 1,000 women). For women of all races the fertility rate of 67.4 was 5.7 higher than the rate of 61.7 in white women. This racial disparity resulted from the rate at which births occurred to women under the age of 25, where age-

specific birth rates for black mothers were substantially higher than those for white mothers or mothers of other races. After the age of 25, age-specific birth rates for whites and blacks were more comparable, though white women tend to have slightly higher age-specific birth rates for women aged 25-34.

Table B5.
Number of Live Births by Maternal Age and Race
Louisiana 2000

Race	Maternal Age Group										All Knowns
	Under 15	15-19	Under 20	20-24	25-29	30-34	35-39	40-44	45 & older	All ages	
All Races	276	11255	11531	21777	16786	11730	5049	918	34	67843	67825
White	44	4555	4599	10692	10611	8108	3335	569	21	37946	37935
Black	228	6544	6772	10745	5728	3233	1529	310	11	28335	28328
Other	****	156	160	340	447	389	185	39	****	1562	1562

**** in cell indicates count is greater than 0 and less than 5

Table B6.
Crude Birth Rates[†], Fertility Rates¹, and Age-Specific Birth Rates² by Maternal Race
Louisiana, 2000

Race	Crude Birth Rate	Fertility Rates	Age-Specific Birth Rates by Maternal Age Group								
			Under 15 ³	15-19	Under 20	20-24	25-29	30-34	35-39	40-44	45-49 ⁴
All Races	15.2	67.4	1.6	62.0	32.8	132.5	111.3	75.4	28.6	5.2	0.2
White	13.3	61.7	0.5	43.9	23.1	112.8	115.4	83.7	29.6	5.0	--
Black	19.5	80.1	3.3	92.5	48.7	171.8	109.5	61.4	26.4	5.4	--
Other	9.7	40.5	--	22.2	11.8	48.2	68.1	65.1	30.5	6.6	--

[†] Rate per 1,000 population.

¹ Rate per 1,000 women aged 15-44.

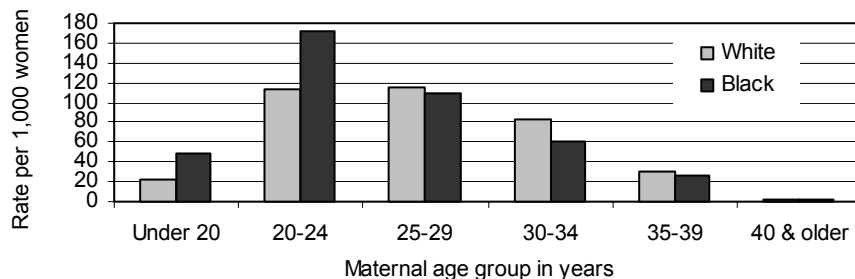
² Rate per 1,000 women in corresponding age group.

³ Numerator = all live births to mothers under 15 years of age; denominator = female population 10-14 years of age.

⁴ Numerator = all live births to mothers 45-54; denominator = female population 45-49 years of age.

"--" in cell indicates count is less than 20, making the calculated rate unreliable.

Figure B5. Age-Specific Birth Rates by Maternal Race
Louisiana, 2000



Teenage and Pre-teenage Births

A **teen birth** is defined as a birth to a woman aged 13 years to 19 years of age. A **pre-teen birth** is a birth to a woman younger than 13 years old.

Despite an overall decrease in teen and pre-teen birth rates over the last two decades, teenage and pre-teenage pregnancies continue to present challenges to health initiatives, nationwide. Pre-teen and teen pregnancy and childbearing have important social and health consequences for the young mother as well as her baby: most pre-teen and teen births are unintended; the educational attainment of mothers younger than 20 years of age is limited; mothers under 20 years of age are less likely to receive timely prenatal care; and are more likely to smoke during pregnancy than women over 20 years of age. As a consequence of these and other

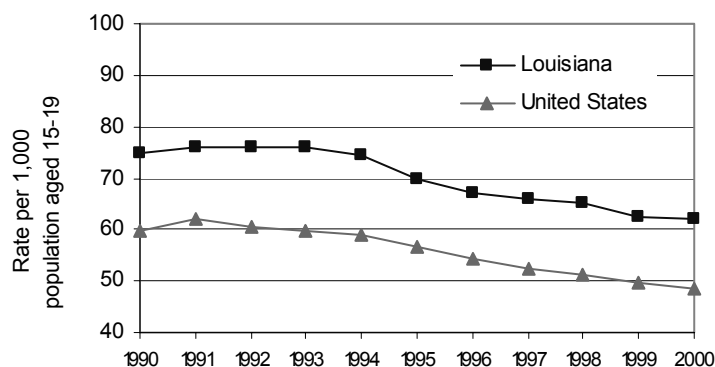
factors, babies born to pre-teenage and teenage mothers are at greater risk of preterm birth and low birthweight.⁵ Nationally, 77%⁶ of births to teenagers and pre-teenagers occur outside of marriage, and 25%⁷ of pre-teen or teen mothers go on to have more children within the next two years. These factors, combined with the fact that pre-teen and teen mothers are less likely to finish high school, contribute to the high proportion of women living in poverty who first gave birth during adolescence.

The majority of pre-teen and teen mothers live in poverty during the years their children are growing up. More than 70 percent will receive welfare benefits, and 40 percent will be on welfare for five years or more during the decade after their first child. In February, 1999, 49.7% of women receiving cash assistance

and 30.5% receiving food stamps in Louisiana had their first child before the age of 20.⁸ During the fiscal years of 1997-1998, Louisiana spent over \$540 million on programs, including the Family Independent Temporary Assistance Program (FITAP), Food Stamps, Women, Infant and Children Program (WIC), Foster Care and Medicaid to support adolescent and pre-adolescent pregnancies.⁹ In contrast, Louisiana spent about \$10.3 million on programs designed to prevent teenage and pre-teenage pregnancy during the same time period.¹⁰

There were 11,531 live births to Louisiana residents under the age of 20 years (*Table B5*) in the year 2000. As in the United States overall, teen birth rates in Louisiana for the 15-19 years age group have declined during the 1990s (*Figure B6, Table B7*).

**Figure B6. Teens Aged 15-19:
Age-Specific Birth Rates
Louisiana and United States, 1990-2000**

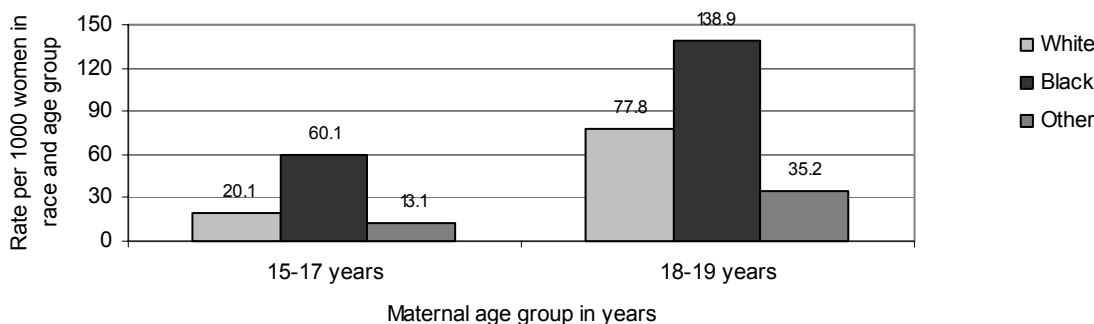


**Table B7.
Teens and Pre-Teens:
Age-specific birth rates¹ by Maternal Age
Louisiana and United States, 1979-2000**

Year	Louisiana		U.S.	
	10-14	15-19	10-19	15-19
1979	2.3	74.8	41.2	52.3
1984	2.4	71.6	38.6	50.6
1989	2.4	70.9	36.9	57.3
1990	2.4	74.7	38.5	59.9
1991	2.6	75.9	38.3	62.1
1992	2.3	75.9	38.0	60.7
1993	2.4	75.8	38.2	59.6
1994	2.3	74.4	37.8	58.9
1995	2.0	70.0	36.0	56.8
1996	2.2	67.0	35.4	54.4
1997	1.8	66.1	35.4	52.3
1998	1.9	65.2	35.4	51.1
1999	1.6	62.6	33.9	49.6
2000	1.6	62.0	32.8	47.7

¹Rate per 1,000 women in corresponding age group.
Source: Louisiana State Center for Health Statistics,
National Center for Health Statistics.

Figure B7.
Teens 15-19 years old: Age Specific Birth Rates by Maternal Race
Louisiana, 2000



The birth rate for women aged 15-19 was 62 births per 1,000 women (Table B8). This rate was 30.0 % higher than the 2000 national rate of 47.7 births per 1,000 women aged 15-19. The birth rate for black teenagers aged 15-19 years old in Louisiana was twice that of white teenagers in the same age group, at 92.5 versus 43.9 births per 1,000 women, respectively. There was an increase in birth rate for black teenage women aged 15-19 years, by 3.4% from 1999's rate of 89.5.

The ratio of black to white teenage births also decreased as age increased. Black teenagers under the age of 15 gave birth more than six times as frequently as white teenagers of the same age did, while black teenagers 15-17 years were three times more likely to give birth than white teenagers of the same age. Relative to mothers of all ages, teenage and pre-teenage mothers were less likely to enter prenatal care within the first trimester of pregnancy. Of live births to women

under 20 years of age 70.7% received prenatal care in the first trimester, in contrast to 89.6% of total live births to women of all ages (Table B9). Teenagers and pre-teenagers were also more likely to give birth to low birthweight infants, with 13.1% of live births to women under 20 years of age being low birthweight versus 10.6% to mothers of all ages (Table B10).

Table B8.
Teens: Age-specific Birth Rates⁺ by Maternal Race
Louisiana, 2000

Maternal Age Group	Maternal Race			
	White	Black	Other	All Races
Under 15	0.5	3.3	--	1.6
15-17	20.1	60.1	13.1	35.5
18-19	77.8	138.9	35.2	99.9
15-19	43.9	92.5	22.2	62.0
10-19	23.1	48.7	11.8	32.8

⁺Rate per 1,000 women in race and age group.

--" in cell indicates counts is less than 20, making the calculated rate unreliable.

Table B9.
Teens and Pre-Teens: Number and Percent of Live Births to Mothers Entering Prenatal Care in the First Trimester by Maternal Race, Louisiana, 2000

Maternal Age	Maternal Race					
	White		Black		All Races ^{***}	
	Number	Percent ⁺	Number	Percent ⁺	Number	Percent ⁺
Under 15	31	70.5	115	50.7	147	53.6
15	77	68.1	268	57.5	348	59.3
16	265	72.2	476	59.3	755	63.6
17	586	78.7	776	63.3	1377	68.9
18	1089	80.5	1169	66.1	2281	72.3
19	1643	83.9	1525	67.7	3209	75.0
15-19	3660	80.7	4214	64.7	7970	71.1
10-19	3691	80.6	4329	64.2	8117	70.7
All ages	34234	90.6	20764	73.6	56295	83.3

Percent of live births entering prenatal care in first trimester in age group and race group

^{***}All Races" includes white, black and other

Table B10. Teens and Pre-Teens: Number and Percent of Live Births Under 2500 Grams by Maternal Race Louisiana, 2000

Maternal Age	Maternal Race					
	White		Black		All Races ⁺⁺⁺	
	Number	Percent ⁺	Number	Percent ⁺	Number	Percent ⁺
Under 15	6	13.6	41	18.0	47	17.0
15	11	9.7	73	15.6	85	14.4
16	35	9.5	111	13.8	147	12.3
17	78	10.4	204	16.5	283	14.1
18	144	10.6	292	16.4	441	13.9
19	170	8.7	331	14.7	504	11.8
15-19	438	9.6	1011	15.5	1463	13.0
10-19	444	9.7	1052	15.5	1510	13.1
Total <2500grams	2931	7.7	4158	14.7	7222	10.6

⁺Percent of live births <2500grams in age group and race group

⁺⁺⁺"All Races" includes white, black and other

Education

Three-quarters (76.6%) of

Louisiana's live births were born to mothers with a minimum of a high school education.

When examined by race, 67.9% of black infants, and 83.1% of white infants, were born to mothers who graduated from high school (*Figure B8, Table B11*).

Figure B8. Educational Status of Women Having Live Births, Louisiana, 2000

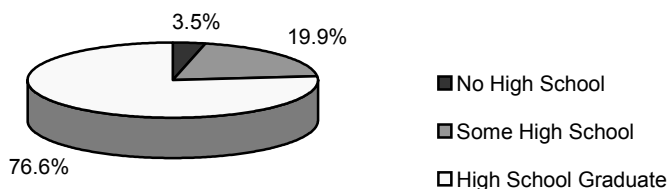


Table B11. Number and Percent of Live Births by Maternal Education and Race Louisiana, 2000

Education Level	Counts				Percent ⁺ of Live Births			
	White	Black	Other	All ⁺⁺⁺	White	Black	Other	All ⁺⁺⁺
No high school	1229	1032	136	2397	3.2	3.6	8.7	3.5
Some high school	5151	8058	260	13469	13.6	28.5	16.7	19.9
High school graduate	13535	11189	492	25216	35.7	39.6	31.6	37.2
Some college	8043	5641	271	13955	21.2	19.9	17.4	20.6
College graduate	9903	2368	400	12671	26.2	8.4	25.7	18.7
Known Total	37861	28288	1559	67708	100.0	100.0	100.0	100.0

⁺May not sum to 100% due to rounding error

⁺⁺⁺"All Races" includes white, black and other

Marital Status

There were 30,922 live births to unmarried mothers in Louisiana in 2000. This represents 45.6% of all 2000 live births in Louisiana. Very young mothers were the most likely to be unmarried, with 98.9% of all mothers under the age of 15 being unmarried. Across all age groups, black mothers were almost three times more likely to be unmarried than white mothers were. The greatest racial disparity in marital status was observed in mothers aged 30-34, where blacks were more than five times as likely as whites to be unmarried (*Figure B9, Table B12*).

The total annual percentage of live births that occur to unmarried mothers in Louisiana, as in the United States overall, has almost doubled in the last two decades (*Table B13*). An increase in the proportion of

Figure B9. Percent of Live Births to Unmarried Mothers by Maternal Age and Race, Louisiana, 2000

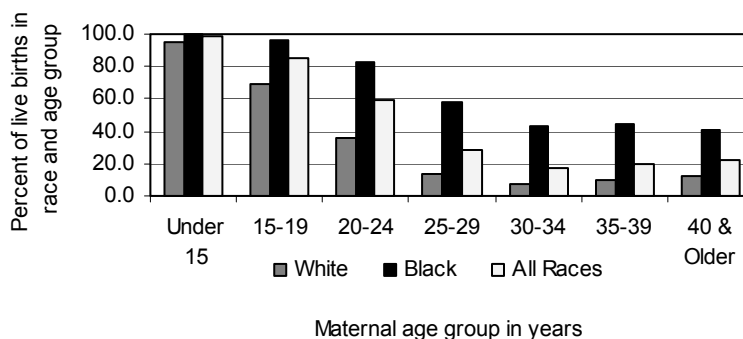


Table B12. Percent of Live Births to Unmarried Mothers by Maternal Age and Race Louisiana, 2000

Maternal Race	Maternal Age							
	Under 15	15-19	20-24	25-29	30-34	35-39	40 & Older	All Ages
All Races	98.9	85.2	59.1	29.0	17.8	20.2	21.6	45.6
White	95.5	69.6	36.2	13.8	8.0	9.7	12.4	25.3
Black	100.00	96.2	82.5	58.0	43.2	44.1	40.5	73.8
Other	--	79.5	43.2	18.3	12.3	10.8	--	27.3

-- In cell indicates counts is less than 20, making the calculated rate unreliable.

* Percent of live births in the specified maternal age group.

unmarried mothers has occurred in every age group, but is most apparent among women aged 20-29 years,

where the percentage of live births to unmarried women has more than doubled in the last 20 years.

Table B13. Percent* of Live Births to Unmarried Mothers by Maternal Age Louisiana and the United States, 1980-2000

Year	Louisiana: Maternal Age							United States: Maternal Age						
	Under 20	20-24	25-29	30-34	35-39	40 & Older	All Ages	Under 20	20-24	25-29	30-34	35-39	40 & Older	All Ages
1980	51.0	22.3	12.2	10.2	11.7	17.0	23.4	48.3	19.3	9.0	6.9	9.4	12.1	18.4
1985	62.5	30.6	16.2	13.3	15.2	18.3	28.6	58.7	26.3	12.7	9.7	11.2	14.0	22.0
1990	73.2	43.1	22.8	18.1	19.4	20.6	36.8	67.6	36.9	18.0	13.3	13.9	17.0	28.0
1995	81.9	50.9	26.6	18.8	20.8	25.4	42.5	75.6	44.7	21.5	14.7	15.7	18.1	32.2
2000	85.6	59.2	29.0	17.9	20.3	21.8	45.6	79.1	49.5	23.5	14.0	14.3	16.8	33.2

*Percent of live births in the specified maternal age group

Trend data from the last 20 years show that the age distribution of unmarried women giving birth has shifted upward. In 1980, teenagers aged less than 20 years accounted for 43.8% of live births to unmarried mothers. In the year 2000 they accounted for 31.9% of live births to unmarried mothers (*Figure B10*).

Conversely, women aged 20 to 24 years accounted for 54% of live births to unmarried mothers in 1980 and 64.1% of live births to unmarried mothers in 2000.

Prenatal Care

One in every five babies born in Louisiana in 2000 was born to a woman who received no care in the first trimester of pregnancy.

In Louisiana, adequacy of prenatal care is measured by a **modified Kessner index**. This index defines prenatal care as

adequate if the first prenatal visit occurred in the first trimester of pregnancy, and if the total number of visits was appropriate to the gestational age of the baby at birth. However, because these measures assess neither the quality nor the content of prenatal care, they must be recognized only as estimates of the actual adequacy of care received.

Of the 66,852 Louisiana residents who had one or more live births, 78% received adequate prenatal

care (*Table B14*). In both Louisiana and the United States, the percentage of live births to mothers entering prenatal care in the first trimester has increased steadily since the early 1990s (*Figure B11*, *Table B15*, on the following page). In the year 2000 the percentage of live births entering prenatal care in the first trimester in Louisiana (83.9%) was close to the national percentage (83.2%).

Figure B10. Percentage of Live Births to Unmarried Mothers by Maternal Age, Louisiana, 1980-2000

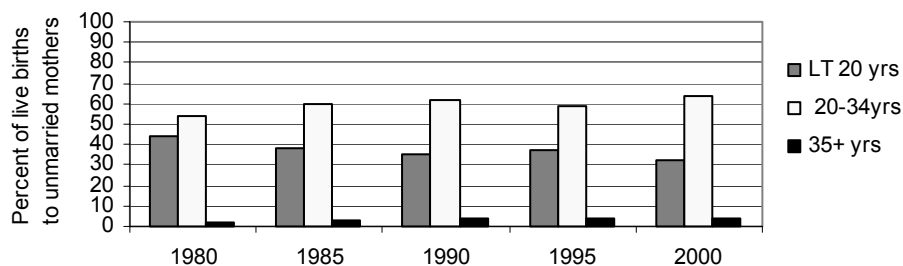


Table B14.
Percent of Women Delivering Live Births and Receiving Adequate Prenatal Care¹ by Maternal Age and Race Louisiana, 2000

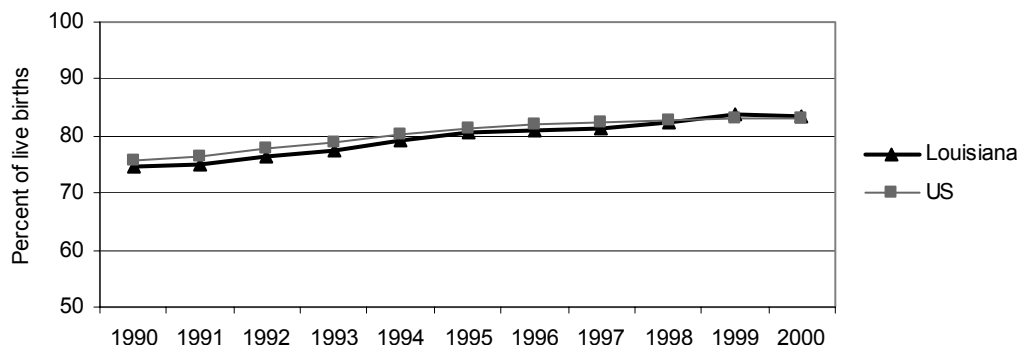
Maternal Race	Maternal Age						
	All Ages	Under 20	20-24	25-29	30-34	35-39	40 & Older
All Races ⁺⁺⁺	78.0	63.8	73.9	84.6	87.3	84.6	77.6
White	86.1	74.5	82.4	90.0	91.4	89.8	83.7
Black	67.1	56.7	65.5	74.8	77.5	73.3	67.2

66852 had one or more live births in 2000.

⁺⁺⁺All Races" includes white, black and other

¹Adequate Prenatal Care as defined by a modified Kessner index in the Technical Notes section of this report.

Figure B11. Percent of Live Births to Mothers Entering Prenatal Care in the First Trimester of Pregnancy Louisiana and United States, 1990-2000



**Table B15.
Percent of Live Births to Women Entering Prenatal Care in the First Trimester of Pregnancy Louisiana and the United States, 1979-2000**

Year	Louisiana	United States
1979	76.3	75.4
1984	77.7	76.5
1989	75.2	75.5
1990	74.6	75.8
1991	75.0	76.2
1992	76.3	77.7
1993	77.4	78.9
1994	79.2	80.2
1995	80.7	81.3
1996	81.1	81.9
1997	81.3	82.5
1998	82.3	82.8
1999	83.9	83.2
2000	83.3	83.2

Sources: Louisiana State Center for Health Statistics
National Center for Health Statistics

Racial differences with regard to timeliness of entry into prenatal care were observed in both Louisiana and the United States, but the racial differences were more pronounced in Louisiana than in the nation. In both Louisiana and the United States, approximately three-quarters of live births among blacks entered prenatal care in the first

trimester. Among whites, however, 90.6% of Louisiana live births entered prenatal care in the first trimester, versus 85.0% nationally (*Table B16*).

In Louisiana, blacks were less likely than whites to enter into prenatal care in the first trimester (*Figure B12, Table B17*). Within all race groups, teens were less likely than

women aged 20 and older to initiate prenatal care in the first trimester (*Figure B13*).

Table B16.
Percent of Live Births to Women
Entering Prenatal Care in the 1st
Trimester of Pregnancy
by Maternal Race
Louisiana and United States, 2000

Maternal Race	Louisiana	United States
All Races ⁺⁺⁺	83.3	83.2
White	90.6	85.0
Black	73.6	74.3

⁺⁺⁺All Races" includes white, black and other
 Sources: Louisiana State Center for Health Statistics
 National Center for Health Statistics

Figure B12. Percent of Live Births by
Initiation of Prenatal Care and Maternal Race,
Louisiana, 2000

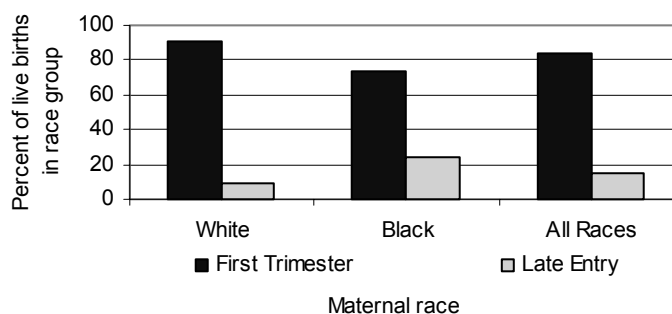


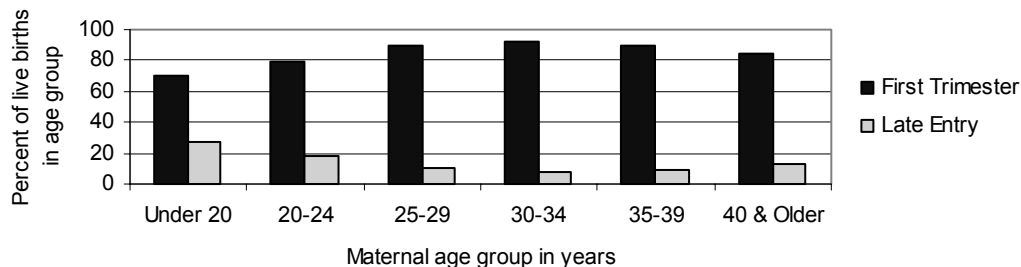
Table B17.
Percents⁺ of Live Births by Initiation of Prenatal Care, Maternal Age, and Maternal Race
Louisiana, 2000

Maternal Age Group	Trimester of Prenatal Care Initiation											
	No Care			First Trimester			Second Trimester			Third Trimester		
	All Races ⁺⁺⁺	White	Black	All Races ⁺⁺⁺	White	Black	All Races ⁺⁺⁺	White	Black	All Races ⁺⁺⁺	White	Black
Under 20	1.9	0.9	2.5	70.7	80.6	64.2	23.2	16.0	28.0	4.2	2.4	5.3
20-24	1.6	0.5	2.6	79.7	87.3	72.2	16.1	10.8	21.4	2.6	1.4	3.8
25-29	0.8	0.3	1.8	89.1	93.8	80.5	8.7	5.1	15.0	1.4	0.7	2.7
30-34	0.9	0.3	2.5	91.6	95.1	83.2	6.4	4.0	12.3	1.1	0.7	2.0
35-39	1.1	0.5	2.7	89.3	93.9	79.2	8.3	5.2	15.0	1.3	0.5	3.1
40 & Older	2.1	1.2	4.1	84.6	90.3	73.9	11.2	7.3	18.2	2.0	1.2	3.8
All ages	1.3	0.5	2.4	83.3	90.6	73.6	13.2	7.8	20.2	2.2	1.1	3.7

⁺Percent of live births in specified maternal age and race group

⁺⁺⁺All Races" includes white, black and other

Figure B13. Percent of Live Births by
Initiation of Prenatal Care and Maternal Age,
Louisiana, 2000



Medical Risk Factors for Complications of Pregnancy

The birth attendant records medical risk factors on the birth certificate by checking any of 16 listed risk factors, or by specifying "other" or "none". Multiple risk factors can be recorded on a birth certificate.

Pregnancy-associated hypertension was the most frequently reported risk factor for complications of pregnancy among Louisiana residents giving birth, at a rate of 34.3 per 1,000 mothers who had 1 or more live births during the calendar year. Black mothers experienced pregnancy-associated hypertension at a higher rate than white mothers did. The rate among black mothers was 36.5 occurrences per 1,000 black mothers, versus the rate of 33 occurrences per 1,000 white mothers.

The second most frequently reported medical risk factor for complications of pregnancy was anemia, at a rate of 22.3

occurrences per 1,000 mothers who had 1 or more live births during the calendar year. Black mothers experienced anemia at a rate of 30 occurrences per 1,000 black mothers, which was almost double the white maternal rate of 16.8 occurrences per 1,000 white mothers.

The third most frequently reported medical risk factor for complications of pregnancy was diabetes, at a rate of 14.4 occurrences per 1,000 mothers who had 1 or more live births during the calendar year. This includes juvenile onset, adult onset, and gestational diabetes during pregnancy. White mothers experienced diabetes at a rate similar to black mothers (14.4 occurrences per 1,000 white mothers and 14.2 occurrences per 1,000 black mothers). Medical risk factors reported on the birth certificate differed somewhat by age, with very young mothers and older mothers

reporting the highest rates of medical risks.

Among mothers under the age of 20 years the most frequently reported medical risk factors were: Pregnancy-associated hypertension, with 38.5 occurrences per 1,000 mothers; Anemia at a rate of 27.6 occurrences per 1,000 mothers and; Hydramnios/Oligohydramnios, with 10.1 occurrences per 1,000 mothers.

Among mothers 35 years and older, the most frequently reported medical risk factors were:

Pregnancy-associated hypertension, with 36.9 occurrences per 1,000 mothers, Diabetes, at a rate of 34 occurrences per 1,000 mothers; and Anemia, with 17.5 occurrences per 1,000 mothers year (*Table B18 and Table B19 on following page*).

Table B18.
Rates of Medical Risk Factors for Complications of Pregnancy by Maternal Race and Age
Louisiana, 2000

Risk Factor	All Ages			All Races ⁺⁺⁺		Risk Factor	All Ages			All Races ⁺⁺⁺	
	All Races ⁺⁺⁺	White	Black	<20	35+		All Races ⁺⁺⁺	White	Black	<20	35+
Hypertension, pregnancy associated	34.3	33.0	36.5	38.5	36.9	Eclampsia	4.0	2.3	6.3	7.1	5.0
Anemia (HCT <30 \ HGB <10)	22.3	39.8	30.0	27.6	17.5	Uterine bleeding	3.9	4.2	3.3	4.0	3.6
Diabetes	14.4	14.4	14.2	5.2	34.0	Genital Herpes	3.7	3.8	3.8	3.0	--
Hydramnios/Oligohydramnios	7.3	6.2	8.5	10.1	5.8	Incompetent cervix	1.7	1.3	2.3	--	--
Hypertension, chronic	7.2	5.0	10.2	2.2	21.8	Cardiac disease	1.2	1.3	1.1	--	--
Rh sensitization	6.1	8.8	2.7	5.3	4.3	Acute or chronic lung disease	0.9	0.9	0.9	--	--
Previous preterm infant or small for gestational age	5.7	4.6	7.1	3.1	7.6	Renal Disease	0.6	--	--	--	--
Previous infant >=4000 Grams	4.2	5.7	2.3	--	7.6	Hemoglobinopathy	--	--	--	--	--

*Rate per 1000 mothers who had 1 or more live births during the calendar year

"--" in cell indicates counts is less than 20, making the calculated rate unreliable

+++ "All Races" includes white, black and other

Table B19.
Number¹ of Medical Risk Factors for Complications of Pregnancy by Maternal Age and Race
Louisiana, 2000

Medical Risk Factor	Race	Total	Maternal Age Group													
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 +	Unk.
No medical risk factor noted	All	51920	185	424	886	1508	2424	3331	8573	16691	13042	9083	3671	635	27	13
	White	30191	35	84	306	605	1080	1585	3660	8571	8520	6460	2520	400	16	9
	Black	20497	147	335	569	882	1317	1694	4797	7856	4170	2300	1005	208	10	****
	Other	1232	****	5	11	21	27	52	116	264	352	323	146	27	****	0
Anemia (HCT<30/HGB <10)	All	1486	6	14	22	65	94	114	309	526	354	189	89	12	****	0
	White	626	0	****	****	17	36	44	103	184	176	106	51	5	****	0
	Black	837	6	11	18	47	57	69	202	335	171	81	35	7	0	0
	Other	23	0	0	****	****	****	****	****	7	7	****	****	0	0	0
Cardiac disease	All	81	0	0	****	0	5	****	10	28	13	19	10	****	0	0
	White	49	0	0	0	0	****	****	6	17	9	9	8	0	0	0
	Black	31	0	0	****	0	****	****	****	11	****	9	****	****	0	0
	Other	****	0	0	0	0	0	0	0	0	0	****	0	0	0	0
Acute or chronic lung disease	All	57	0	0	0	****	5	****	10	17	14	9	6	****	0	0
	White	32	0	0	0	0	****	****	5	11	9	****	****	****	0	0
	Black	24	0	0	0	****	****	****	5	6	5	6	****	0	0	0
	Other	****	0	0	0	0	0	0	0	0	0	****	0	0	0	0
Diabetes	All	959	0	****	****	6	21	26	60	190	285	226	164	32	****	0
	White	536	0	****	****	****	9	15	29	98	154	131	106	16	****	0
	Black	395	0	****	****	****	12	11	31	88	120	88	55	13	0	0
	Other	28	0	0	0	0	0	0	0	****	11	7	****	****	0	0
Genital herpes	All	249	0	****	****	6	12	14	34	84	66	46	14	5	0	0
	White	140	0	0	****	****	5	6	14	38	41	34	9	****	0	0
	Black	106	0	****	0	****	7	8	20	45	23	12	5	****	0	0
	Other	****	0	0	0	0	0	0	0	****	****	0	0	0	0	0
Hydramnios/Oligohydramnios	All	485	****	8	8	21	40	35	112	187	96	53	28	6	0	0
	White	232	****	****	****	7	19	12	41	83	52	35	15	5	0	0
	Black	238	****	7	6	13	21	21	68	102	40	13	12	****	0	0
	Other	15	0	0	0	****	0	****	****	****	****	5	****	0	0	0
Hemoglobinopathy	All	15	0	0	0	****	****	0	****	****	****	5	****	0	0	0
	White	6	0	0	0	0	0	0	0	****	0	****	****	0	0	0
	Black	9	0	0	0	****	****	0	****	****	****	****	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertension, chronic	All	478	0	0	****	7	****	11	25	83	119	124	94	32	****	0
	White	188	0	0	0	****	0	****	5	32	53	53	37	7	****	0
	Black	283	0	0	****	5	****	8	20	51	62	70	57	23	0	0
	Other	7	0	0	0	0	0	0	0	0	****	****	0	****	0	0
Hypertension, pregnancy associated	All	2288	14	27	47	69	132	151	426	748	538	347	179	36	0	0
	White	1232	****	****	8	18	60	73	163	388	350	211	97	22	0	0
	Black	1018	13	23	39	51	68	75	256	345	179	131	81	13	0	0
	Other	38	0	0	0	0	****	****	7	15	9	5	****	****	0	0
Eclampsia	All	264	****	10	13	22	14	19	78	85	39	30	26	****	0	0
	White	85	****	0	****	****	5	5	14	32	17	10	10	****	0	0
	Black	176	****	10	12	19	9	14	64	52	22	18	16	****	0	0
	Other	****	0	0	0	0	0	0	0	****	0	****	0	0	0	0
Incompetent cervix	All	116	0	****	0	****	0	****	5	29	29	37	15	****	0	0
	White	50	0	****	0	0	0	****	****	6	9	24	8	****	0	0
	Black	64	0	0	0	****	0	****	****	23	19	12	7	0	0	0
	Other	****	0	0	0	0	0	0	0	0	****	****	0	0	0	0

Table B19 continues on the next page.

Table B19 (continued).
Number¹ of Medical Risk Factors for Complications of Pregnancy by Maternal Age and Race
Louisiana, 2000

Medical Risk Factor	Race	Total	Maternal Age Group													
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 +	Unk.
Previous infant 4000+ grams	All	281	0	0	0	****	****	****	8	53	88	88	33	11	0	0
	White	211	0	0	0	****	****	****	5	31	67	76	25	7	0	0
	Black	65	0	0	0	****	****	****	****	21	19	12	7	****	0	0
	Other	5	0	0	0	0	0	0	0	****	****	0	****	****	0	0
Previous preterm or small for gestational age infant	All	380	0	****	5	5	8	15	35	132	99	70	33	11	0	0
	White	172	0	0	****	****	****	****	8	46	46	44	18	10	0	0
	Black	199	0	****	****	****	5	12	27	85	49	25	12	****	0	0
	Other	9	0	0	0	0	0	0	0	****	****	****	****	0	0	0
Renal Disease	All	37	0	0	****	****	****	****	7	9	9	8	****	0	0	0
	White	17	0	0	****	0	****	****	****	****	****	6	****	0	0	0
	Black	19	0	0	0	****	****	0	****	5	7	****	****	0	0	0
	Other	****	0	0	0	0	0	0	0	****	0	0	0	0	0	0
Rh Sensitization	All	410	0	****	****	10	16	31	61	147	115	62	24	****	0	0
	White	330	0	0	****	5	12	26	46	118	88	56	21	****	0	0
	Black	76	0	****	0	5	****	5	14	29	25	6	****	0	0	0
	Other	****	0	0	0	0	****	0	****	0	****	0	****	0	0	0
Uterine bleeding	All	258	0	****	7	6	12	17	46	82	56	53	18	****	0	0
	White	158	0	****	****	****	7	6	19	47	32	45	13	****	0	0
	Black	92	0	****	6	****	****	9	24	34	21	8	5	0	0	0
	Other	8	0	0	0	0	****	****	****	****	****	0	0	****	0	0
Other	All	9429	68	122	231	322	456	606	1737	3077	2165	1459	749	169	****	****
	White	4154	8	22	42	89	146	217	516	1131	1132	858	414	92	****	0
	Black	5062	59	97	182	228	306	381	1194	1888	979	557	314	69	****	****
	Other	213	****	****	7	5	****	8	27	58	54	44	21	8	0	0
Unknown medical risk factor	All	123	0	0	0	0	****	5	9	17	19	35	22	15	****	****
	White	86	0	0	0	0	****	****	****	10	12	26	18	13	****	****
	Black	35	0	0	0	0	****	****	****	7	7	9	****	****	0	****
	Other	****	0	0	0	0	0	****	****	0	0	0	0	0	****	0

¹This is a duplicated count. More than one medical risk factor was noted on some birth certificates.

66,852 women had 1 or more live births during the calendar year.

****in cell indicates count is greater than 0 and less than 5.

Tobacco and Alcohol Use during Pregnancy

Usage of tobacco and alcohol during pregnancy, as reported by the mother at the time of birth, is recorded on the birth certificate. Because this information depends on

the mother's recall, it is subject to inaccuracy. In 2000, 9.4% of mothers who provided information reported using tobacco during pregnancy, and 0.5% reported using alcohol during

pregnancy. Among whites, 12.9% reported using tobacco, and 0.4% reported using alcohol. Among blacks, tobacco and alcohol use were reported to be 5.0% and 0.7%, respectively.

Table B20.
Use of Tobacco and Alcohol during Pregnancy by Maternal Age and Race
Louisiana, 2000

Substance Usage	Race	Total	Maternal Age													Unk.
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 +	
No tobacco use	All	60411	266	558	1097	1815	2800	3750	10020	19098	15135	10647	4432	769	31	13
	White	32488	36	93	294	587	1063	1548	3585	8713	9384	7340	2929	472	20	9
	Black	26469	226	459	786	1203	1710	2142	6300	10082	5322	2933	1331	261	10	****
	Other	1454	****	6	17	25	27	60	135	303	429	374	172	36	****	0
Tobacco use	All	6297	9	27	89	176	343	495	1130	2358	1375	835	472	117	****	0
	White	4809	8	20	72	150	282	405	929	1838	1063	593	307	71	0	0
	Black	1402	****	5	16	23	52	85	181	487	300	231	158	43	****	0
	Other	86	0	****	****	****	9	5	20	33	12	11	7	****	0	0
Unknown tobacco use	All	144	0	****	0	****	5	5	13	29	20	37	24	14	****	5
	White	103	0	0	0	****	****	****	8	20	13	27	20	12	****	****
	Black	38	0	****	0	0	****	****	****	9	6	10	****	****	0	****
	Other	****	0	0	0	0	0	****	****	0	****	0	0	0	****	0
No alcohol use	All	66382	274	584	1184	1989	3136	4238	11131	21395	16436	11391	4844	867	31	13
	White	37172	44	113	365	737	1343	1950	4508	10526	10424	7891	3216	534	20	9
	Black	27673	226	463	801	1224	1757	2223	6468	10534	5572	3116	1449	294	10	****
	Other	1537	****	8	18	28	36	65	155	335	440	384	179	39	****	0
Alcohol use	All	333	****	****	****	****	7	9	22	65	73	93	59	19	****	0
	White	133	0	0	****	****	****	5	9	31	22	43	19	9	0	0
	Black	197	****	****	****	****	5	****	13	33	50	49	40	10	****	0
	Other	****	0	0	0	0	0	0	0	****	****	****	0	0	0	0
Unknown alcohol use	All	137	0	****	0	****	5	****	10	25	21	35	25	14	****	5
	White	95	0	0	0	****	****	****	5	14	14	26	21	12	****	****
	Black	39	0	****	0	0	****	****	****	11	6	9	****	****	0	****
	Other	****	0	0	0	0	0	****	****	0	****	0	0	0	****	0

**** in cell indicates count is greater than 0 and less than 5

Note: This table is based on a count of women giving birth rather than the total number of live births in 2000.

NEWBORN PROFILE

Sex

Louisiana's **male/female birth ratio** was 1.032, which means that 1,032 males were born for every 1,000 females. By race, the male/female ratios were 1.047 for whites, 1.019 for blacks, and .910 for other races (*Table B21*).

Birthweight

A **low birthweight** infant is defined as an infant weighing less than 2500 grams (5 pounds, 8 ounces) at birth.

Mortality and morbidity are increased among infants born at term whose birth weights are at or below the third percentile for their gestational age.¹¹ Preterm infants who have a lower than normal birth weight are at higher risk of experiencing neurological problems, respiratory and gastrointestinal disorders, developmental problems and slowed growth.¹²

Low birthweight has been linked to several preventable factors, including

Table B21.
Number of Live Births by
Infant Sex and Maternal Race
Louisiana, 2000

Infant Sex	Maternal Race			Total
	White	Black	Other	
Male	19406	14301	744	34451
Female	18540	14034	818	33392
Ratio (M:F)	1.047	1.019	0.910	1.032

lack of prenatal care, maternal smoking, use of alcohol and other drugs, and pregnancy before the age of 18 years. Other risk factors for low birthweight include low socioeconomic level, low maternal weight gain, low pregnancy weight, first births, female sex, short maternal stature, prior low birthweight births, maternal illnesses, fetal infections, and a variety of metabolic and genetic disorders. Low birthweight infants who survive are more likely than normal weight infants to have brain damage, lung and liver disease, subnormal growth, developmental problems, and other adverse health conditions. The effects of low

birthweight follow these infants throughout life, presenting a greater likelihood of physical, intellectual and behavioral difficulties.¹³ Upon reaching school age, higher proportions of low birthweight infants are enrolled in special education classes relative to their normal birthweight counterparts.¹⁴

In the year 2000, 7,224 infants born to Louisiana residents weighed less than 2500 grams. This accounted for 10.6% of total live births with known birthweight of infant. In the United States 7.6% of infants were born at low birthweight (*Table B22*). During the early and mid-1990s, both Louisiana and the nation saw an increase in the percentage of infants born with low birthweight. In recent years a leveling off of these percentages appears to be taking place.

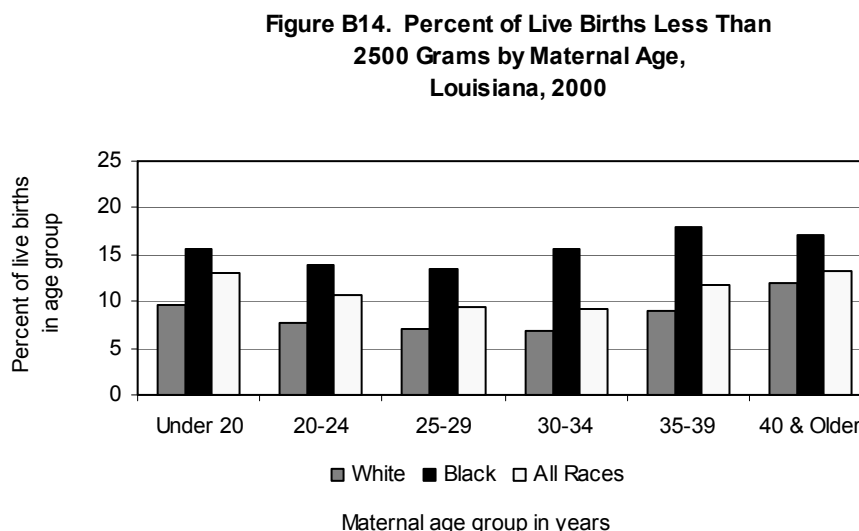
Table B22.
Percent of Live Births Less Than 2500 Grams
Louisiana and United States 1990-2000

Year	Louisiana	United States
1990	8.8	7.0
1991	9.0	7.1
1992	9.4	7.1
1993	9.4	7.2
1994	9.6	7.3
1995	9.7	7.3
1996	9.9	7.4
1997	10.2	7.5
1998	10.1	7.6
1999	10.0	7.6
2000	10.6	7.6

Sources: Louisiana State Center for Health Statistics and National Center for Health Statistics

Black mothers gave birth to infants of low birthweight nearly twice as frequently as white mothers did, at 14.7% of all live births among black women compared with 7.7% of live births among white women. This relationship between low birthweight and race also was evident at the national level (*Table B23*). A higher prevalence of low birthweight births among blacks was apparent in all age groups in Louisiana (*Figure B14, Table B24*).

Among the maternal age groups, mothers aged 40 and older had the highest percentage of low birthweight babies at 13.2%.



However, the total number of live births among women in this age category was smaller than in other age groups. Women under 20 year

of age had the second highest percentage of low birthweight babies at 13.1% of live births.

Table B23.
Percent* of Live Births Less than 2500 Grams
by Maternal Race, Louisiana and United States, 2000

Location	Maternal Race		
	All Races***	White	Black
Louisiana	10.6	7.7	14.7
United States	7.6	6.5	12.9

*Percent of live births in specified race group.

***"All races" includes white, black and other

Sources: Louisiana State Center for Health Statistics
National Center for Health Statistics

Table B24.
Percent* of Live Births Less than 2500 Grams
by Maternal Age and Race, Louisiana, 2000

Race	Maternal Age						
	Under 20	20-24	25-29	30-34	35-39	40 & Older	All Ages
All Races**	13.1	10.8	9.3	9.2	11.8	13.2	10.7
White	9.7	7.7	7.1	6.8	8.9	11.9	7.7
Black	15.5	13.9	13.6	15.6	18.0	17.1	14.7

*Percent of live births in specified age and race group.

***"All races" includes white, black and other

The prevalence of low birthweight births to mothers who had no prenatal care was 25.7%, more than double that of births to mother with prenatal care beginning in the first, second or third trimester. Among mothers who received prenatal care, mothers who entered prenatal care in the second or third trimester had higher percentages of low birthweights than the mothers who entered prenatal care in the first trimester (*Figure B15*).

Infants weighing less than 1500 grams at birth (3 lbs. 5 oz.) are considered to be **very low birthweight** and are at much greater risk of mortality and long-term disability than higher weight infants. Although recent medical advances have greatly reduced the risk of death for smaller infants, the risk of early death for a very low birthweight infant is about 65 times that of infants who weigh at least 1500 grams.¹⁵

Of all births to Louisiana residents in 2000, 2.4% of infants weighed less than 1500 grams as compared with 1.4% of infants born nationwide. As with infants weighing less than 2500 grams, the frequency of very low birthweight births differed by race. Black mothers gave birth to very low birthweight infants nearly three times as frequently as white mothers did, at 3.7% and 1.4% respectively of live births (*Table B25*).

Figure B15. Percent of Live Births Less than 2500 Grams by Trimester of Entry into Prenatal Care, Louisiana, 2000

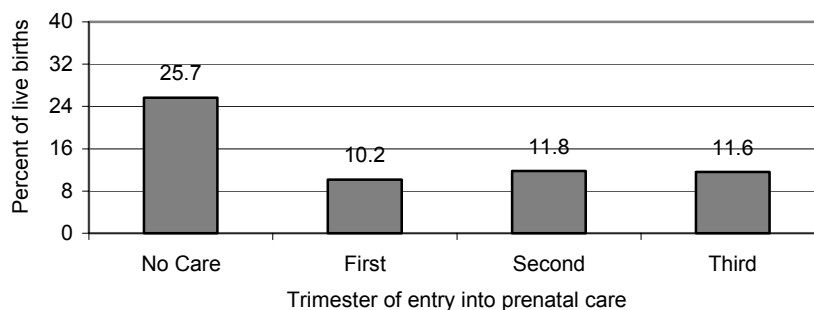


Table B25. Percent⁺ of Live births Less than 1500 Grams by Maternal Age and Race Louisiana, 2000

Race	Maternal Age						All Ages
	Under 20	20-24	25-29	30-34	35-39	40 & Older	
All Races ⁺⁺⁺	3.1	2.2	2.3	2.1	2.4	1.9	2.4
White	2.3	1.2	1.4	1.1	1.4	1.5	1.4
Black	3.7	3.3	3.9	4.5	4.4	2.8	3.7

⁺Percent of live births in specified maternal age and race group

⁺⁺⁺"All races" includes white, black and other

Table B26.
Number of Live Births by Live Birth Order and Birthweight
Louisiana, 2000

Birth Order	Total	Birthweight in Grams								Weight not stated	Births Under 2500 grams	Percent of Total Live Births
		999 and less	1000-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000-4499	4500 and Over			
ALL	67843	972	2052	4200	13530	25933	16424	4074	649	9	7224	10.65
1	27002	416	746	1697	5655	10529	6273	1458	225	****	2859	10.59
2	21841	266	635	1186	4080	8430	5595	1457	192	0	2087	9.56
3	11654	150	355	728	2259	4352	2936	742	131	****	1233	10.58
4	4332	78	150	319	884	1585	1025	239	51	****	547	12.63
5	1644	28	76	140	362	596	301	111	30	0	244	14.84
6	681	14	50	69	152	202	151	33	10	0	133	19.53
7	296	8	19	26	63	100	63	12	5	0	53	17.91
8	152	****	5	14	33	54	32	9	****	0	22	14.47
9	63	****	5	8	9	16	15	****	****	0	17	26.98
10	35	0	****	5	5	11	6	5	0	0	8	22.86
11	22	0	****	****	****	11	****	****	0	0	****	13.64
12	****	0	0	0	0	****	****	0	0	0	0	0.00
13	****	0	0	0	****	****	0	0	0	0	0	0.00
14	****	0	****	0	0	0	0	0	0	0	****	100.00
15	****	0	0	0	****	0	0	0	0	0	0	0.00
16 +	****	****	0	0	0	0	0	0	0	0	****	100.00
Unk.	110	****	6	6	23	44	20	****	****	****	16	14.55

**** in cell indicates count is greater than 0 and less than 5

Table B27.
Number and Percent⁺ of Live Births by Infant Birthweight, Infant Sex, and Maternal Race
Louisiana, 2000

Weight in Grams	All Races		White				Black				Other			
			Male		Female		Male		Female		Male		Female	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Under 500	192	0.28	22	0.11	28	0.15	63	0.44	75	0.53	****	0.27	****	0.24
500-749	442	0.65	68	0.35	89	0.48	139	0.97	142	1.01	****	0.27	****	0.24
750-999	338	0.50	66	0.34	61	0.33	97	0.68	106	0.76	****	0.27	6	0.73
1000-1499	642	0.95	107	0.55	97	0.52	233	1.63	197	1.40	****	0.54	****	0.49
1500-1999	1410	2.08	269	1.39	297	1.60	393	2.75	428	3.05	10	1.34	13	1.59
2000-2499	4200	6.19	819	4.22	1008	5.44	969	6.78	1318	9.39	40	5.38	46	5.62
2500-2999	13530	19.94	2779	14.32	3492	18.83	3104	21.70	3803	27.10	158	21.24	194	23.72
3000-3499	25933	38.23	6969	35.91	7416	40.00	5501	38.47	5404	38.51	298	40.05	345	42.18
3500-3999	16424	24.21	6095	31.41	4820	26.00	3007	21.03	2148	15.31	182	24.46	172	21.03
4000-4499	4074	6.01	1872	9.65	1088	5.87	683	4.78	365	2.60	39	5.24	27	3.30
4500 +	649	0.96	336	1.73	143	0.77	109	0.76	48	0.34	7	0.94	6	0.73
Unk.	9	0.01	****	0.02	****	0.01	****	0.02	0	0.00	0	0.00	****	0.12
Total	67843	100.00	19406	100.00	18540	100.00	14301	100.00	14034	100.00	744	100.00	818	100.00

⁺Percentages may not add to 100 due to rounding.

**** in cell indicates count is greater than 0 and less than 5

Table B28.
Number of Live Births by Birthweight, Maternal Age, and Maternal Race
Louisiana, 2000

Maternal Age and Race	Total	Birthweight in Grams											Not Stated
		499 and less	500-749	750-999	1000-1499	1500-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000-4499	4500 and over	
All Races ⁺⁺⁺	67843	192	442	338	642	1410	4200	13530	25933	16424	4074	649	9
Under 15	276	0	5	****	5	5	31	71	105	44	8	****	0
15-19	11255	32	106	75	133	270	847	2774	4447	2128	391	51	****
20-24	21777	53	148	87	201	448	1409	4685	8599	4885	1110	152	0
25-29	16786	51	101	88	144	305	874	2958	6358	4494	1199	212	****
30-34	11730	33	55	52	103	223	615	1940	4295	3335	920	156	****
35-39	5049	19	23	28	52	125	349	899	1792	1311	391	59	****
40-44	918	****	****	7	****	31	75	192	321	213	51	18	0
45 and over	34	0	0	0	****	****	0	8	10	11	****	0	0
Not Stated	18	****	0	0	0	****	0	****	6	****	****	0	****
White	37946	50	157	127	204	566	1827	6271	14385	10915	2960	479	5
Under 15	44	0	****	0	****	0	****	12	15	8	****	0	0
15-19	4555	11	34	24	34	76	259	934	1822	1096	233	32	0
20-24	10692	7	41	28	55	157	534	1923	4237	2873	729	108	0
25-29	10611	14	45	42	51	133	464	1629	3909	3254	920	149	****
30-34	8108	8	25	15	45	119	337	1158	2984	2559	729	127	****
35-39	3335	7	11	14	16	63	186	512	1198	979	299	49	****
40-44	569	****	0	****	****	17	43	96	211	136	44	14	0
45 and over	21	0	0	0	****	****	0	****	6	7	****	0	0
Not Stated	11	0	0	0	0	0	0	****	****	****	****	0	****
Black	28335	138	281	203	430	821	2287	6907	10905	5155	1048	157	****
Under 15	228	0	****	****	****	5	27	58	88	35	5	****	0
15-19	6544	21	72	51	99	193	575	1796	2559	1006	152	19	****
20-24	10745	45	107	58	143	285	856	2686	4223	1937	364	41	0
25-29	5728	35	53	45	91	165	388	1233	2258	1143	260	57	0
30-34	3233	24	30	34	57	101	259	704	1145	677	175	26	****
35-39	1529	12	11	11	34	56	151	339	530	289	86	10	0
40-44	310	0	****	****	****	14	31	87	96	65	5	****	0
45 and over	11	0	0	0	0	****	0	****	****	****	0	0	0
Not Stated	7	****	0	0	0	****	0	0	****	0	****	0	****

⁺⁺⁺All races includes white, black and other

**** in cell indicates count is greater than 0 and less than 5

Gestational Age

Gestational age is the interval between the first day of the mother's last normal menstrual period and the date of birth. The individual attending the birth records gestational age on the Louisiana birth certificate. Attendants use several different methods to estimate gestational age, including computing the interval between the first day of the mother's last normal menstrual period (LMP) and the date of birth, or determining a clinical estimate based on examination of the newborn. Standardized methods of measurement for determination of gestational age are difficult, especially among at-risk pregnancies in which minimal or no

prenatal ascertainties have been made.

Louisiana birth certificates record both the "Date Last Normal Menses Began" and the "Clinical Estimate of Gestation". LMP is subject to error from imperfect maternal recall or misidentification of the last normal menstrual period because of post-conception bleeding, delayed ovulation, or intervening early miscarriage. Therefore, the attendant's clinical estimate of gestation is used to determine gestational age in this report.

A birth is considered **preterm** if the gestational age at delivery is less than 37 weeks. There were 160 infants for

whom no estimate of gestational age was recorded.

Of all live births to Louisiana residents with information about gestational age, 12.3% were estimated to be preterm (*Table B29*). Black mothers delivered preterm infants more frequently than white mothers (16% versus 9.6% of live births, respectively). Younger mothers (under 20 years) and older mothers (40 and older), delivered preterm infants more frequently than any other age groups at 13.3% and 13.8% of live births, respectively.

Table B29.
Number and Percent of Pre-Term Live Births (Less Than 37 Weeks) by Maternal Age and Race
Louisiana, 2000

Maternal Race	Maternal Age Group													
	Under 20		20-24		25-29		30-34		35-39		40 & older		All Ages	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Races ^{***}	1528	13.3	2702	12.4	1918	11.5	1328	11.4	713	14.2	129	13.8	8319	12.3
White	425	9.3	1029	9.6	973	9.2	745	9.2	392	11.8	72	12.5	3636	9.6
Black	1086	16.1	1636	15.2	903	15.8	548	17.0	296	19.4	55	17.3	4525	16.0

^{***}All races" includes white, black and other

Multiple Births

Of all live births to Louisiana residents, 65,821 (97%) were part of a single delivery, while 1,949 live births (2.9%) were part of a twin delivery, and 68 (0.1%) were part of a triplet delivery.

Apgar Score

The **Apgar score** is a composite measure of the physical health of an infant shortly after birth. It is assessed at one and five minutes after birth, and is used to predict the infant's chances of survival.

Five characteristics of the baby that are easily identifiable – heart rate, respiratory effort, muscle tone,

reflex irritability, and color – are assessed on a scale of 0 to 2, with 2 being optimal.

The Apgar score is the sum of these scores, with a score of 7 or higher indicating that the infant is in good physical condition, and a score of 10 being perfect. As the five-minute score is generally considered to be a better predictor of survival, it is the score that is reported here. In 2000,

0.4% (255) of birth certificates in Louisiana did not have a recorded Apgar score. Of all live births with a known Apgar score, 98.0% (66,524) of the infants had an Apgar score of

at least 7 and 1.6% (1,064) of infants had low (0-6) Apgar scores. Age and racial breakdowns were consistent with low birthweight percentages; infants born to very

young mothers, older mothers, and black mothers received the highest percentages of below normal scores (*Table B30 and Table B31*).

Table B30.
Number and Percent of Births with
Below Normal Five Minute Apgar Scores
by Maternal Race, Louisiana, 2000

Count/Percent	Maternal Race			
	White	Black	Other	All Races ^{***}
Number	329	723	12	1064
Percent	0.9	2.7	0.8	1.6

^{***}All races" includes white, black and other

Table B31.
Number and Percent of Births with Below Normal Five Minute Apgar Scores by Maternal Age
Louisiana, 2000

Count/Percent	Maternal Age						
	Under 20	20-24	25-29	30-34	35-39	40 & older	All Ages
Number	221	334	255	153	80	20	1064
Percent	1.9	1.5	1.5	1.3	1.6	2.1	1.6

Abnormal Conditions of the Newborn

Abnormal conditions of the newborn are recorded on the birth certificate by checking any of 8 listed conditions or by specifying "other" or "none". More than one condition can be checked on a birth certificate. The two most commonly reported abnormal newborn conditions were assisted ventilation less than 30 minutes (at a rate of 9.4 per 1,000 live births) and assisted ventilation 30 minutes or more (at a rate of 7.0 per 1,000 live births). The third most commonly reported abnormal condition was hyaline membrane disease/ respiratory distress syndrome, at a rate of 4.1 per 1,000 live births (*Table B32*).

Congenital Anomalies

Congenital anomalies are recorded on the birth certificate by checking any of 21 listed anomalies, none, or other. More than one anomaly can be checked on a birth certificate. Because these events occur so infrequently, rates have been calculated for categories of anomalies.

In the year 2000 there were 639 birth certificates with at least one congenital anomaly reported (*Table B33 on page 44*). A total of 712 congenital anomalies were reported.

The most commonly reported category of congenital anomalies was musculoskeletal/ integumental anomalies at a rate of 22.1 per

10,000 live births. This includes cleft lip/palate, polydactyly/ syndactyly/adactyly, clubfoot, and diaphragmatic hernia, as well as other musculoskeletal/ integumental anomalies.

The second most commonly reported category was circulatory/ respiratory anomalies, which includes heart malformations, at a rate of 13.0 per 10,000 live births.

The third most commonly reported category was central nervous system anomalies at a rate of 11.2 per 10,000 live births. This category includes anencephalus, spina bifida/ meningocele, hydrocephalus, and microcephalus, as well as other central nervous system anomalies.

Table B32.
Number¹ of Abnormal Conditions of the Newborn by Maternal Age and Race
Louisiana, 2000

CONDITION	Race	Total	Maternal Age													Unk.
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 & older	
None	All	64166	260	546	1126	1875	2969	4031	10547	20532	15946	11173	4799	865	30	14
	White	36103	41	105	351	698	1274	1844	4272	10134	10146	7772	3177	533	19	9
	Black	26570	215	433	758	1150	1660	2125	6126	10079	5377	3022	1443	293	10	5
	Other	1493	****	8	17	27	35	62	149	319	423	379	179	39	****	0
Anemia (HCT < 39/HGB < 13)	All	34	0	****	****	****	****	0	9	9	5	6	****	****	0	0
	White	12	0	0	0	****	0	0	****	****	****	****	****	0	0	0
	Black	22	0	0	****	****	****	0	8	6	****	****	0	****	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Birth injury	All	51	0	0	0	****	****	****	7	23	11	7	****	****	0	0
	White	26	0	0	0	****	****	0	****	13	7	****	0	0	0	0
	Black	24	0	0	0	0	****	****	5	10	****	****	****	****	0	0
	Other	****	0	0	0	0	0	0	0	0	****	0	0	0	0	0
Fetal alcohol syndrome	All	5	0	0	0	0	0	0	0	****	0	****	0	0	0	0
	White	****	0	0	0	0	0	0	0	****	0	0	0	0	0	0
	Black	****	0	0	0	0	0	0	0	****	0	****	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyaline membrane disease/ Respiratory distress syndrome	All	278	0	6	****	11	15	21	54	68	75	53	25	****	****	0
	White	156	0	****	0	5	5	11	22	40	46	33	13	****	****	0
	Black	119	0	5	****	6	10	10	32	27	27	20	12	****	0	0
	Other	****	0	0	0	0	0	0	0	****	****	0	0	0	0	0
Meconium aspiration syndrome	All	89	****	****	****	5	6	7	20	26	20	14	7	****	0	0
	White	38	0	0	0	****	****	****	5	11	11	7	****	0	0	0
	Black	51	****	****	****	****	5	****	15	15	9	7	****	****	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Assisted Ventilation less than 30 minutes	All	635	****	8	13	25	36	48	130	238	142	86	28	7	****	0
	White	325	****	****	****	9	18	20	51	121	86	48	14	****	0	0
	Black	304	****	5	12	15	18	28	78	115	53	38	14	****	****	0
	Other	6	0	0	0	****	0	0	****	****	****	0	0	0	0	0
Assisted Ventilation 30 minutes or more	All	477	****	****	16	24	27	30	100	171	93	58	38	12	****	0
	White	226	0	0	****	13	9	11	36	75	48	33	25	8	****	0
	Black	240	****	****	12	11	18	19	63	93	40	24	12	****	0	0
	Other	11	0	0	****	0	0	0	****	****	5	****	****	0	0	0
Seizures	All	44	0	****	****	****	0	****	6	14	12	8	****	0	0	0
	White	27	0	0	0	0	0	****	****	****	10	7	****	0	0	0
	Black	16	0	****	****	****	0	0	****	9	****	****	****	0	0	0
	Other	****	0	0	0	0	0	0	0	****	0	0	0	0	0	0
Other	All	2339	12	30	38	80	139	159	446	817	558	337	147	22	0	0
	White	1132	****	6	13	25	57	79	180	349	294	203	90	13	0	0
	Black	1157	9	24	25	55	81	77	262	453	248	124	52	9	0	0
	Other	50	0	0	0	0	****	****	****	15	16	10	5	0	0	0
Unknown	All	133	0	****	****	0	****	6	12	17	22	39	23	14	****	****
	White	93	0	0	****	0	****	****	6	9	15	29	19	12	****	****
	Black	38	0	****	0	0	****	****	5	8	7	10	****	****	0	****
	Other	****	0	0	0	0	0	****	****	0	0	0	0	0	****	0

¹This is a duplicated count. More than one condition was noted on some birth certificates.

**** in cell indicates count is greater than 0 and less than 5

Table B33.
Number¹ of Congenital Anomalies by Type of Anomaly and Maternal Age
Louisiana, 2000

Congenital Anomaly	Total	Maternal Age								Unk.
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & older	
Total	712	5	136	240	174	89	51	16	****	0
Anencephalus	****	0	****	****	0	0	0	0	0	0
Spina bifida/Meningocele	48	****	5	19	14	6	****	****	0	0
Hydrocephalus	16	0	****	****	5	****	****	****	0	0
Microcephalus	5	0	****	****	****	****	0	0	0	0
Other central nervous system anomalies	5	0	0	****	****	****	****	0	0	0
Heart malformations	37	0	10	13	7	****	****	0	0	0
Other Circulatory/Respiratory anomalies	51	0	****	23	12	5	8	****	0	0
Rectal atresia/Stenosis	****	0	****	****	****	0	0	0	0	0
Tracheo esophageal fistula/Esophageal atresia	5	0	0	****	****	****	****	0	0	0
Omphalocele/Gastroschisis	****	0	****	****	0	****	0	0	0	0
Other gastrointestinal anomalies	9	0	****	****	****	****	0	0	0	0
Malformed genitalia	8	0	****	****	****	****	****	0	0	0
Renal agenesis	****	0	0	0	****	****	0	****	0	0
Other urogenital anomalies	37	0	7	11	9	7	****	****	0	0
Cleft lip/Palate	35	0	8	11	8	5	****	****	0	0
Polydactyly/Syndactyly/Adactyly	62	****	11	23	16	9	****	0	0	0
Club foot	20	0	6	6	6	***	****	0	0	0
Diaphragmatic hernia	****	0	****	0	****	0	0	0	0	0
Other musculoskeletal/integumental anomalies	30	0	9	7	7	5	****	0	0	0
Down's syndrome	20	0	****	6	****	****	****	****	0	0
Other chromosomal anomalies	11	0	****	5	****	****	****	0	0	0
Other congenital anomalies	298	****	63	98	73	32	20	8	****	0

¹ This is a duplicated count. More than one congenital anomaly was noted on some birth certificates. 639 infants had at least one congenital anomaly.

**** in cell indicates count is greater than 0 and less than 5

DELIVERY CHARACTERISTICS: MEDICAL PROCEDURES, COMPLICATIONS, AND FACILITIES

Obstetric Procedures

The birth attendant records obstetric procedures performed on each the birth certificate by checking any of 6 procedures performed or by specifying "none" or "other". More than one procedure can be checked on a birth certificate.

The most frequently performed obstetric procedure was electronic fetal monitoring, at a rate of 800.6 per 1,000 mothers who had one or more live births during the calendar year of 2000. Electronic fetal monitoring was performed less often in black mothers than in white mothers, at a rate of 791.9 per 1,000

black mothers versus 808.7 per 1,000 white mothers, respectively.

The second most frequently performed procedure was ultrasound, at a rate of 598.1 per 1,000 mothers who had one or more live births during the calendar year. Ultrasound was performed less often in black mothers than in white mothers, at a rate of 548.7 per 1,000 black mothers versus 633.2 per 1,000 white mothers, respectively. Among the 66,726 women who are known to have had one or more live births and whose record contained information on obstetric procedures performed during labor, no

associated obstetric procedures were performed in 4,572 cases.

Black mothers were nearly twice as likely to have no obstetric procedures performed than white mothers, at a rate of 81.7 per 1,000 black mothers versus 58.7 per 1,000 white mothers, respectively. For both white and black women, substantially lower rates of women delivered without performance of obstetric procedures in 2000, relative to 1999. In 1999, 99.8 per 1,000 black mothers had no obstetric procedure performed during delivery.

Table B34.
Number and Rates* of Obstetric Procedures by Maternal Age and Race
Louisiana, 2000

Obstetric Procedure	All Ages						All Races***			
	All Races***		White		Black		Under 20		35 & Older	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
None	4572	68.5	2190	58.7	2278	81.7	676	59.1	575	98.8
Electronic Fetal Monitoring	53421	800.6	30175	808.7	22073	791.9	9477	829.1	4387	753.7
Ultrasound	39907	598.1	23626	633.2	15294	548.7	6395	559.5	3484	598.5
Induction of Labor	9723	139.0	6418	172.0	3125	112.1	1616	141.4	693	119.1
Stimulation of labor	7260	108.8	4249	113.9	2844	102.0	1383	121.0	535	91.9
Tocolysis	508	7.6	282	7.6	220	7.9	85	7.4	38	6.5
Amniocentesis	399	6.0	225	6.0	165	5.9	33	2.9	109	18.7

*Rate per 1,000 mothers who had 1 or more live births during the calendar year. 66,852 women had 1 or more live births during the calendar year.

***"All races" includes white, black and other

Table B35.
Number⁺ of Obstetric Procedures by Maternal Age and Race
Louisiana, 2000

Obstetric Procedure	Race	Total	Maternal Age													
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 & older	Unk.
None	All	4572	18	42	86	103	184	243	658	1247	1114	959	460	108	7	****
	White	2190	****	5	13	25	54	73	170	437	602	632	279	62	5	0
	Black	2278	15	37	71	78	127	170	483	787	483	295	170	43	****	****
	Other	104	0	0	****	0	****	0	5	23	29	32	11	****	****	0
Amniocentesis	All	399	0	****	5	7	6	14	33	104	83	69	79	30	0	****
	White	225	0	****	****	****	****	5	15	51	46	35	53	24	0	****
	Black	165	0	0	****	****	****	9	18	53	37	33	20	****	0	0
	Other	9	0	0	0	0	0	0	0	0	0	****	6	****	0	0
Electronic Fetal Monitoring	All	53421	226	486	954	1647	2620	3544	9251	17485	13164	8902	3719	646	22	6
	White	30175	38	93	307	615	1141	1663	3819	8777	8460	6182	2488	395	13	****
	Black	22073	185	387	633	1010	1458	1823	5311	8456	4367	2425	1095	222	9	****
	Other	1173	****	6	14	22	21	58	121	252	337	295	136	29	0	0
Induction of Labor	All	9723	29	72	151	250	470	644	1587	3327	2539	1546	595	95	****	****
	White	6418	5	24	67	113	267	392	863	2048	1846	1158	434	61	****	****
	Black	3125	24	48	82	134	202	245	711	1226	646	346	141	29	****	****
	Other	180	0	0	****	****	****	7	13	53	47	42	20	5	0	0
Stimulation of labor	All	7260	30	60	135	227	411	520	1353	2400	1853	1089	465	69	****	0
	White	4249	5	13	43	87	199	269	611	1250	1255	763	323	42	0	0
	Black	2844	25	47	90	137	208	241	723	1114	556	278	122	25	****	0
	Other	167	0	0	****	****	****	10	19	36	42	48	20	****	0	0
Tocolysis	All	508	****	5	9	15	29	25	83	192	109	84	31	7	0	0
	White	282	0	****	****	****	15	10	34	103	67	53	20	5	0	0
	Black	220	****	****	5	11	13	15	48	88	42	28	10	****	0	0
	Other	6	0	0	0	0	****	0	****	****	0	****	****	0	0	0
Ultrasound	All	39907	140	318	606	1114	1810	2407	6255	12773	10062	7187	2952	520	12	6
	White	23626	27	73	216	467	860	1203	2819	6713	6623	5072	2018	341	8	5
	Black	15294	110	242	383	630	930	1169	3354	5853	3148	1845	826	153	****	****
	Other	987	****	****	7	17	20	35	82	207	291	270	108	26	0	0
Other	All	965	7	15	24	39	59	69	206	322	227	117	66	19	****	0
	White	337	****	0	5	9	14	22	50	96	107	51	28	****	0	0
	Black	607	6	15	19	28	45	47	154	221	115	60	37	13	****	0
	Other	21	0	0	0	****	0	0	****	5	5	6	****	****	0	0
Unknown	All	126	0	0	0	0	****	6	8	18	19	36	23	16	****	****
	White	87	0	0	0	0	****	****	****	9	12	27	19	13	****	****
	Black	37	0	0	0	0	****	****	****	9	7	9	****	****	0	****
	Other	****	0	0	0	0	****	****	****	0	0	0	0	0	****	0

⁺This is a duplicated count. More than one procedure was noted on some birth certificates.

66,852 women had 1 or more live births during the calendar year.

**** in cell indicates count is greater than 0 and less than 5

Complications of Labor and/or Delivery

Complications of labor and/or delivery are recorded on the birth certificate by checking any of 15 listed complications or specifying "none", or "other". More than one complication can be recorded on a birth certificate.

The three most commonly reported complications of labor and/or delivery were moderate or heavy meconium (34.9 per 1,000 mothers), fetal distress (30.6), and breech or malpresentation

(23.3). Rates varied considerably by race. The rates of moderate or heavy meconium and fetal distress were higher for black mothers (50.9 and 36.9 per 1,000 black mothers, respectively) than for white mothers (23.0 and 25.8, respectively), while the rate of breech/malpresentation was higher for white mothers (27.3) than for black mothers (17.8).

Among the 66,852 women who had one or more live births, no complications of labor and/or delivery were recorded in 49,843 cases. White mothers were more likely to have no reported complications than black mothers were, at a rate of 763.2 per 1,000 white mothers versus 725.5 per 1,000 black mothers, respectively.

Table B36.
Number¹ and Rates⁺ of Complications of Labor and/or Delivery by Maternal Race and Age
Louisiana, 2000

Complication	All Ages						All Races ^{***}			
	All Races ^{***}		White		Black		Teens		35 & Older	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
No complication noted	49843	747.0	28478	763.2	20223	725.5	8270	723.6	4317	741.2
Meconium, moderate/heavy	2329	34.9	860	23.0	1419	50.9	555	48.6	220	37.8
Fetal distress	2040	30.6	963	25.8	1028	36.9	390	34.1	190	32.6
Breech/Malpresentation	1552	23.3	1019	27.3	496	17.8	224	19.6	165	28.3
Cephalopelvic disproportion	1145	17.2	698	18.7	414	14.9	235	20.6	79	13.6
Febrile (> 100 degrees F)	760	11.4	368	9.9	368	13.2	209	18.3	44	7.6
Premature Rupture of membrane (>12 hours)	742	11.1	330	8.8	390	14.0	136	11.9	60	10.3
Precipitous labor (< 3 hours)	713	10.7	227	6.1	472	16.9	120	10.5	47	8.1
Dysfunctional labor	425	6.4	233	6.2	183	6.6	102	8.9	21	3.6
Abruptio placenta	249	3.7	119	3.2	126	4.5	44	3.8	20	3.4
Prolonged labor (> 20 hours)	149	2.2	91	2.4	57	2.0	38	3.3	15	--
Placenta previa	113	1.7	75	2.0	36	1.3	14	--	23	3.9
Other Excessive Bleeding	108	1.6	56	1.5	46	1.7	22	1.9	7	--
Cord Prolapse	77	1.2	39	1.0	37	1.3	13	--	11	--
Seizures during labor	21	0.3	6	--	14	--	****	--	****	--
Anesthetic Complications	15	--	7	--	8	--	****	--	0	0.0

¹This is a duplicated count. More than one procedure was noted on some birth certificates.

66,852 women had 1 or more live births during the calendar year.

⁺Rate per 1,000 mothers who had 1 or more live births during the calendar year

**** "All Races" includes white, black and other

**** in cell indicates count is greater than 0 and less than 5

"--" in cell indicates counts is less than 20, making the calculated rate unreliable.

TABLE B37.
Number¹ of Complications of Labor and/or Delivery by Maternal Age and Race
Louisiana, 2000

Complication	Race	Total	Maternal Age													Unk.
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 & older	
No complication noted	All	49843	187	415	851	1437	2270	3110	8083	15961	12526	8755	3647	648	22	14
	White	28478	32	84	266	541	987	1465	3343	7943	8102	6148	2479	408	14	9
	Black	20223	152	326	574	877	1260	1597	4634	7781	4094	2300	1037	213	7	5
	Other	1142	****	5	11	19	23	48	106	237	330	307	131	27	****	0
Febrile (<100 degrees F)	All	760	8	8	29	43	56	65	201	270	150	87	37	7	0	0
	White	368	0	0	6	12	29	26	73	120	92	63	16	****	0	0
	Black	368	8	8	22	31	27	39	127	146	50	21	15	****	0	0
	Other	24	0	0	****	0	0	0	****	****	8	****	6	****	0	0
Meconium, moderate/heavy	All	2329	17	34	72	101	153	178	538	735	475	344	177	41	****	0
	White	860	****	****	13	32	49	52	149	243	201	167	76	20	****	0
	Black	1419	14	30	59	69	101	124	383	478	264	169	90	20	****	0
	Other	50	0	****	0	0	****	****	6	14	10	8	11	****	0	0
Premature rupture of membrane (<12 hours)	All	742	****	6	16	17	38	57	134	264	160	122	47	12	****	0
	White	330	****	****	****	7	10	23	44	105	74	71	26	8	****	0
	Black	390	****	5	12	10	27	34	88	155	76	48	19	****	0	0
	Other	22	0	0	****	0	****	0	****	****	10	****	****	****	0	0
Abruptio Placenta	All	249	****	****	****	9	11	19	43	79	73	33	18	****	0	0
	White	119	0	0	0	****	****	10	14	36	42	17	9	****	0	0
	Black	126	****	****	****	7	9	8	28	43	30	15	8	****	0	0
	Other	****	0	0	0	0	0	****	****	0	****	****	****	0	0	0
Placenta previa	All	113	0	0	****	****	****	****	14	22	25	29	19	****	****	0
	White	75	0	0	****	****	****	****	7	11	19	22	14	****	****	0
	Black	36	0	0	****	****	****	****	7	11	6	7	****	****	0	0
	Other	****	0	0	0	0	0	0	0	0	0	0	****	****	0	0
Other excessive bleeding	All	108	****	0	****	6	7	****	20	27	29	23	5	****	0	0
	White	56	0	0	0	****	****	****	6	11	17	17	****	****	0	0
	Black	46	****	0	****	5	****	****	14	14	8	6	****	****	0	0
	Other	6	0	0	0	0	0	0	0	****	****	0	0	0	0	0
Seizures during labor	All	21	****	****	0	****	0	****	****	9	****	****	****	0	0	0
	White	6	0	****	0	****	0	****	****	****	****	****	0	0	0	0
	Black	14	****	0	0	0	0	0	0	8	****	****	****	0	0	0
	Other	****	0	0	0	0	0	0	0	0	0	****	0	0	0	0
Precipitous labor (<3 hours)	All	713	6	10	19	15	34	36	114	242	186	118	38	9	0	0
	White	227	****	0	****	****	8	14	27	62	68	52	15	****	0	0
	Black	472	5	10	17	12	26	22	87	178	113	60	22	7	0	0
	Other	14	0	0	0	0	0	0	0	****	5	6	****	0	0	0
Prolonged labor (>20 hours)	All	149	****	****	****	8	9	14	37	38	35	23	15	0	0	0
	White	91	0	0	****	****	7	7	21	18	24	16	12	0	0	0
	Black	57	****	****	****	****	****	7	16	19	11	7	****	0	0	0
	Other	****	0	0	0	0	0	0	0	****	0	0	0	0	0	0

Table B37 continues on the next page.

TABLE B37. (continued)
Number¹ of Complications of Labor and/or Delivery by Maternal Age and Race
Louisiana, 2000

Complication	Race	Total	Maternal Age													
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 & older	Unk.
Dysfunctional labor	All	425	****	6	11	13	30	38	98	169	79	54	17	****	0	0
	White	233	0	0	****	****	13	18	37	95	54	32	12	****	0	0
	Black	183	****	6	8	10	16	19	59	73	23	19	****	****	0	0
	Other	9	0	0	0	0	****	****	****	****	****	****	****	0	0	0
Breech/ Malpresentation	All	1552	****	10	19	33	68	90	220	459	370	334	139	24	****	0
	White	1019	0	****	8	8	39	56	114	285	254	249	99	18	0	0
	Black	496	****	7	11	25	27	33	103	164	108	73	37	5	****	0
	Other	37	0	0	0	0	****	****	****	10	8	12	****	****	0	0
Cephalopelvic Disproportion	All	1145	7	15	27	37	56	93	228	354	290	187	69	9	****	0
	White	698	****	****	8	13	28	47	97	207	197	138	52	6	0	0
	Black	414	6	14	18	23	28	45	128	137	80	46	15	****	****	0
	Other	33	0	0	****	****	0	****	****	10	13	****	****	****	0	0
Cord Prolapse	All	77	0	****	****	****	****	6	13	21	18	14	10	****	0	0
	White	39	0	0	****	0	****	****	5	10	9	8	7	0	0	0
	Black	37	0	****	****	****	****	****	8	10	9	6	****	****	0	0
	Other	****	0	0	0	0	0	0	0	****	0	0	0	0	0	0
Anesthetic Complications	All	15	0	0	0	****	0	0	****	6	****	6	0	0	0	0
	White	7	0	0	0	0	0	0	0	****	0	5	0	0	0	0
	Black	8	0	0	0	****	0	0	****	****	****	****	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fetal Distress	All	2040	13	20	36	81	109	131	377	728	431	301	165	24	****	0
	White	963	****	****	17	35	36	46	138	317	231	180	83	12	0	0
	Black	1028	11	16	18	45	73	85	237	396	187	112	74	10	****	0
	Other	49	0	0	****	****	0	0	****	15	13	9	8	****	0	0
Other	All	9498	48	101	159	307	479	619	1665	3070	2298	1538	734	140	5	0
	White	5047	8	20	46	108	198	268	640	1463	1386	1018	444	84	****	0
	Black	4223	39	78	109	191	273	340	991	1549	851	479	262	51	****	0
	Other	228	****	****	****	8	8	11	34	58	61	41	28	5	0	0
Unknown	All	124	0	0	0	0	****	5	9	16	19	38	22	14	****	****
	White	87	0	0	0	0	****	****	****	9	12	29	18	12	****	****
	Black	35	0	0	0	0	****	****	****	7	7	9	****	****	0	****
	Other	****	0	0	0	0	0	****	****	0	0	0	0	0	****	0

¹This is a duplicated count. More than one procedure was noted on some birth certificates.

66,852 women had 1 or more live births during the calendar year

**** in cell indicates count is greater than 0 and less than 5

Method of Delivery

Final data for the year 2000 collected by the National Center for Health Statistics, reports that Louisiana had the third highest rate of cesarean deliveries in the country.

Over one quarter (26.6%) of all live births in Louisiana in 2000 were

cesarean deliveries, compared with 22.9% for the United States overall. Cesarean deliveries occurred more frequently among white mothers than among black mothers, at 27.2% versus 26.0% of live births, respectively. Black mothers aged

20-24 had the highest percentage of live births (46.0%) delivered via cesarean section (*Figure B16, Table B38 and Table B39*).

Figure B16. Percent of Live Births by Cesarean Delivery, Maternal Age, and Maternal Race Louisiana, 2000

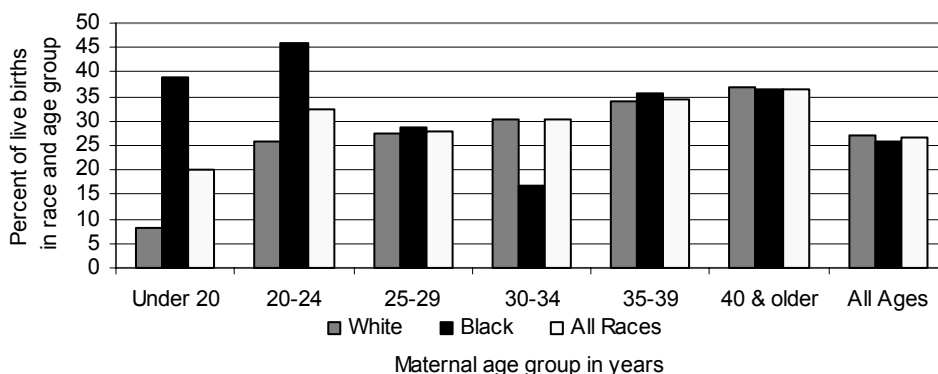


Table B38.
Percent* of Live Births by Cesarean Delivery by Maternal Age and Race Louisiana, 2000

Maternal Race	Maternal Age Group						
	Under 20	20-24	25-29	30-34	35-39	40 & older	All Ages
All Races***	20.0	32.4	27.8	30.5	34.3	36.6	26.6
White	8.3	25.7	27.6	30.3	33.8	36.7	27.2
Black	38.9	46.0	28.7	16.9	35.8	36.7	26.0

*Percents of live births in specified maternal age and race group

***"All Races" includes white, black and other

Table B39.
Number¹ of Deliveries by Method of Delivery, Maternal Age, and Maternal Race
Louisiana, 2000

Method	Race	Total	Maternal Age													
			Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 & older	Unk.
Vaginal	All	44822	195	420	876	1432	2221	3051	8000	14704	10977	7387	2991	538	15	15
	White	24760	34	79	261	539	946	1396	3221	7111	6924	5131	1986	334	10	9
	Black	18991	157	335	603	871	1250	1602	4661	7356	3733	1999	894	181	****	6
	Other	1071	****	6	12	22	25	53	118	237	320	257	111	23	****	0
Vaginal \ Forceps	All	1755	12	29	41	83	120	116	389	551	429	263	100	11	0	0
	White	1214	****	10	24	40	63	74	211	383	341	199	69	7	0	0
	Black	500	8	19	16	42	57	42	176	160	81	47	24	****	0	0
	Other	41	0	0	****	****	0	0	****	8	7	17	7	0	0	0
Vaginal \ Forceps & Vacuum	All	57	0	****	****	****	****	9	17	14	17	9	0	0	0	0
	White	34	0	0	****	****	0	6	8	9	9	8	0	0	0	0
	Black	21	0	****	0	****	****	****	9	****	7	****	0	0	0	0
	Other	****	0	0	0	0	0	0	0	****	****	0	0	0	0	0
Vaginal \ Vacuum	All	1372	11	17	31	68	109	116	341	499	288	168	58	6	****	0
	White	756	0	****	13	33	49	58	157	250	188	120	37	****	****	0
	Black	582	11	13	18	34	57	58	180	238	91	42	17	****	0	0
	Other	34	0	0	0	****	****	0	****	11	9	6	****	0	0	0
Vaginal birth after previous C-Section	All	730	0	0	****	****	13	38	58	264	187	145	67	9	0	0
	White	307	0	0	0	****	7	7	16	77	88	82	40	****	0	0
	Black	409	0	0	****	****	6	31	42	186	94	58	25	****	0	0
	Other	14	0	0	0	0	0	0	0	****	5	5	****	****	0	0
Vaginal birth after previous C-Section \ Forceps	All	45	0	0	0	****	****	****	****	16	10	9	5	****	0	0
	White	28	0	0	0	0	0	****	****	10	5	7	5	0	0	0
	Black	13	0	0	0	****	****	0	****	5	****	****	0	****	0	0
	Other	*	0	0	0	0	0	0	0	****	****	****	0	0	0	0
Vaginal birth after previous C-Section \ Forceps & Vacuum	All	****	0	0	0	0	0	0	0	0	0	0	****	0	0	0
	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	****	0	0	0	0	0	0	0	0	0	0	****	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vaginal birth after Previous C-Section \ Vacuum	All	26	0	0	0	0	****	****	****	6	11	****	****	0	0	0
	White	15	0	0	0	0	****	****	****	0	10	****	****	0	0	0
	Black	11	0	0	0	0	0	****	****	6	****	****	****	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Primary C-Section	All	10154	53	105	197	352	554	702	1910	3247	2327	1655	783	169	10	0
	White	5820	6	18	61	113	243	344	779	1749	1546	1136	493	106	5	0
	Black	4119	47	86	133	235	304	351	1109	1445	729	467	261	56	5	0
	Other	215	0	****	****	****	7	7	22	53	52	52	29	7	0	0
Repeat C-Section	All	7285	0	****	9	26	82	170	291	2003	2176	1784	879	146	6	0
	White	4159	0	****	****	5	22	50	81	897	1282	1215	593	87	****	0
	Black	2989	0	****	6	21	59	117	206	1087	854	527	261	52	****	0
	Other	137	0	0	0	0	****	****	****	19	40	42	25	7	0	0
Unknown	All	605	****	10	28	25	43	45	151	181	108	95	42	19	****	****
	White	307	0	****	****	6	17	19	46	85	67	60	32	14	****	****
	Black	273	****	8	23	19	26	23	99	91	35	30	9	****	0	****
	Other	25	0	****	****	0	0	****	6	5	6	5	****	****	****	0

¹66852 women had 1 or more live births during the calendar year

**** in cell indicates count is greater than 0 and less than 5

¹ National Center for Health Statistics, "Infant Mortality Statistics from the 2000 Period Linked Birth/Infant Death Data Set" National Vital Statistics Report 50:12 (Aug. 2002):22.

² National Center for Health Statistics, "Births: Final Data 2000" National Vital Statistics Report 50:5 (Feb. 2002):27.

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⁴ National Vital Statistics Report 51:4 (Feb. 2003):7.

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⁷ The Alan Guttmacher Institute, "Teen Sex and Pregnancy" Facts in Brief (Sept. 1999).

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¹¹ McIntire DD, Bloom SL, Casy BM, Laveno KJ. "Birth Weight in Relation to Morbidity and Mortality among Newborn Infants 1234-1238 " New England Journal of Medicine 340 :16 (Apr. 1999):1238.

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¹³ Waldman HB. Perlman SP, "Low Birthweight babies grow older, but there could be many problems" Journal of Dentistry for Children 68:5-6 (Sep- Dec 2001) 356-359,302.

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¹⁵ National Center for Health Statistics, "Report of Final Natality Statistics, 1995" Monthly Vital Statistics Report 45:11 (June 1997):16.